



SEQUENCE LISTING

<110> Prayaga, Sudhirdas K
Taupier Jr, Raymond J
Bandaru, Raj

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RECEPTORS, AND FIBROMODULIN, AND POLYNUCLEOTIDES
ENCODING SAME

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<150> 60/159,805

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Val Tyr Ala Glu Ile Lys Phe Thr Leu Arg Asp Cys Asn Ser Met Pro		
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Gly Val Leu Gly Thr Cys Lys Glu Thr Phe Asn Leu Tyr Tyr Leu Glu		
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Ser Lys Arg Gly Phe Tyr Leu Ala Phe Gln Asp Ile Gly Ala Cys Leu		
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<213> Homo sapiens

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Ala Gln Leu Leu Leu Arg Asn Asn Pro Trp Phe Cys Gly Cys Asn Leu
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Met Trp Leu Arg Asp Trp Val Lys Ala Arg Ala Ala Val Val Asn Val
 340 345 350

Arg Gly Leu Met Cys Gln Gly Pro Glu Lys Val Arg Gly Met Ala Ile
 355 360 365

Lys Asp Ile Thr Ser Glu Met Asp Glu Cys Phe Glu Thr Gly Pro Gln
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Pro Gly Leu Arg Leu Pro Asp Ser Asn Ile Asp Tyr Pro Met Ala Thr
 420 425 430

Gly Asp Gly Ala Lys Thr Leu Ala Ile His Val Lys Ala Leu Thr Ala
 435 440 445

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 565 570 575

Val His Gln Ala Gly Glu Leu Leu Thr Arg Glu Arg Ala Tyr Asn Arg
 580 585 590

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595 600 605

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Tyr Thr

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PCR Primer Sequence

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PCR Primer Sequence

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PCR Primer Sequence

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<210> 17
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NOV2 S2 PCR
      Primer Sequence

<400> 17
gcggtccgac tccaggt                                18

<210> 18
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NOV2 S3 PCR
      Primer Sequence

<400> 18
cagtgcgtgc ggcactcag                                19

<210> 19
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NOV2 S4 PCR
      Primer Sequence

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<400> 19	
tgagtgcgc acgactgg	19
<210> 20	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: NOV2 S5 PCR	
Primer Sequence	
<400> 20	
ctggacccag gtggccgc	18
<210> 21	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: NOV2 S6 PCR	
Primer Sequence	
<400> 21	
gcggccacct gggtccag	18
<210> 22	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: NOV2 S7 PCR	
Primer Sequence	
<400> 22	
cccgagcagc cgaacggc	18
<210> 23	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: NOV2 S8 PCR	
Primer Sequence	
<400> 23	
gccgttcggc tgctcggg	18
<210> 24	

<211> 27	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: NOV3 Forward	
PCR Primer Sequence	
<400> 24	
ggatccacca cctccccctc ggtgtgc	27
<210> 25	
<211> 35	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: NOV3 Reverse	
PCR Primer Sequence	
<400> 25	
ctcgaggcca gcgttctgct cctggttgag tgtgg	35
<210> 26	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: NOV3 S1 PCR	
Primer Sequence	
<400> 26	
cgcaccatgt ccagggac	18
<210> 27	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: NOV3 S2 PCR	
Primer Sequence	
<400> 27	
gtccctggca atggtgcg	18
<210> 28	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	

<223> Description of Artificial Sequence: NOV3 S3 PCR
Primer Sequence

<400> 28
ctgggtgcgca attcgctggc c

21

<210> 29
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NOV3 S4 PCR
Primer Sequence

<400> 29
ggccagcgaa ttgcgcacca g

21

<210> 30
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NOV3 S5 PCR
Primer Sequence

<400> 30
cacgcctctg ccaccacg

18

<210> 31
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NOV3 S6 PCR
Primer Sequence

<400> 31
cgtggtgcca gagggcgtg

18

<210> 32
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pSec-V5 His
Forward Oligonucleotide Primer Sequence

<400> 32
ctcgtcctcg agggtaagcc tatccctaac

30

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<210> 33
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pSec-V5 His
      Reverse Oligonucleotide Primer Sequence

<400> 33
      ctcgtcgggc ccctgatcag cgggtttaaa c           31

<210> 34
<211> 40
<212> PRT
<213> Homo sapiens

<400> 34
Met Ala Asp Lys Pro Asp Met Gly Glu Ile Ala Ser Phe Asp Lys Ala
      1             5               10              15

Lys Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Thr Leu Pro Thr Lys
      20            25               30

Glu Thr Ile Glu Gln Glu Lys Arg
      35            40

<210> 35
<211> 10
<212> PRT
<213> Homo sapiens

<400> 35
Lys Leu Lys Lys Thr Glu Thr Gln Glu Asn
      1             5               10

<210> 36
<211> 38
<212> PRT
<213> Homo sapiens

<400> 36
Ala Asp Lys Pro Asp Met Gly Glu Ile Ala Ser Phe Asp Lys Ala Lys
      1             5               10              15

Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Thr Leu Pro Thr Lys Glu
      20            25               30

Thr Ile Glu Gln Glu Lys
      35

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<210> 37
 <211> 40
 <212> PRT
 <213> Bos taurus

<400> 37
 Ala Asp Lys Pro Asp Leu Gly Glu Ile Asn Ser Phe Asp Lys Ala Lys
 1 5 10 15

Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Thr Leu Pro Thr Lys Glu
 20 25 30

Thr Ile Glu Gln Glu Lys Gln Ala
 35 40

<210> 38
 <211> 40
 <212> PRT
 <213> Sus scrofa

<400> 38
 Ala Asp Lys Pro Asp Met Gly Glu Ile Asn Ser Phe Asp Lys Ala Lys
 1 5 10 15

Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Thr Leu Pro Thr Lys Glu
 20 25 30

Thr Ile Glu Gln Glu Lys Gln Ala
 35 40

<210> 39
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 39
 Ser Asp Lys Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ser Lys
 1 5 10 15

Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu
 20 25 30

Thr Ile Glu Gln Glu Lys Gln Ala
 35 40

<210> 40
 <211> 41
 <212> PRT
 <213> Mus musculus

<400> 40
 Met Ser Asp Lys Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ser
 1 5 10 15

Lys Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys
20 25 30

Glu Thr Ile Glu Gln Glu Lys Gln Ala
35 40

<210> 41
<211> 40
<212> PRT
<213> Oryctolagus cuniculus

<400> 41
Ala Asp Lys Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ser Lys
1 5 10 15

Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu
20 25 30

Thr Ile Glu Gln Glu Lys Gln Ala
35 40

<210> 42
<211> 39
<212> PRT
<213> Xenopus laevis

<400> 42
Ser Asp Lys Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ala Lys
1 5 10 15

Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu
20 25 30

Thr Ile Glu Gln Glu Lys Gln
35

<210> 43
<211> 40
<212> PRT
<213> Homo sapiens

<400> 43
Ser Asp Lys Pro Gly Met Ala Glu Ile Glu Lys Phe Asp Lys Ser Lys
1 5 10 15

Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Ser Ser Lys Glu
20 25 30

Thr Ile Glu Gln Glu Arg Gln Ala
35 40

<210> 44
<211> 40

<212> PRT
 <213> Oncorhynchus mykiss

<400> 44
 Ser Asp Lys Pro Asn Leu Glu Glu Val Ala Ser Phe Asp Lys Thr Lys
 1 5 10 15

 Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Thr Lys Glu
 20 25 30

Thr Ile Glu Gln Glu Lys Gln Ala
 35 40

<210> 45
 <211> 40
 <212> PRT
 <213> Oncorhynchus mykiss

<400> 45
 Ser Asp Lys Pro Asp Leu Ala Glu Val Ser Asn Phe Asp Lys Thr Lys
 1 5 10 15

 Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Thr Lys Glu
 20 25 30

Thr Ile Glu Gln Glu Lys Gln Ala
 35 40

<210> 46
 <211> 40
 <212> PRT
 <213> Lateolabrax japonicus

<400> 46
 Ser Asp Lys Pro Asp Ile Ser Glu Val Thr Ser Phe Asp Lys Thr Lys
 1 5 10 15

 Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu
 20 25 30

Thr Ile Glu Gln Glu Lys Ala Ala
 35 40

<210> 47
 <211> 39
 <212> PRT
 <213> Rattus norvegicus

<400> 47
 Met Ser Asp Lys Pro Asp Leu Ser Glu Val Glu Thr Phe Asp Lys Ser
 1 5 10 15

 Lys Leu Lys Lys Thr Asn Thr Glu Glu Lys Asn Thr Leu Pro Ser Lys
 20 25 30

Glu Thr Ile Gln Gln Glu Lys
35

<210> 48
<211> 38
<212> PRT
<213> Homo sapiens

<400> 48
Ser Asp Lys Pro Asp Leu Ser Glu Val Glu Lys Phe Asp Arg Ser Lys
1 5 10 15

Leu Lys Lys Thr Asn Thr Glu Glu Lys Asn Thr Leu Pro Ser Lys Glu
20 25 30

Thr Ile Gln Gln Glu Lys
35

<210> 49
<211> 35
<212> PRT
<213> Drosophila melanogaster

<400> 49
Ile Ala Gly Ile Glu Asn Phe Asp Ala Lys Lys Leu Lys His Thr Glu
1 5 10 15

Thr Asn Glu Lys Asn Val Leu Pro Thr Lys Glu Val Ile Glu Ala Glu
20 25 30

Lys Gln Ala
35

<210> 50
<211> 31
<212> PRT
<213> Drosophila melanogaster

<400> 50
Gly Ile Thr Ala Phe Asn Gln Asn Asn Leu Lys His Thr Glu Thr Asn
1 5 10 15

Glu Lys Asn Pro Leu Pro Asp Lys Glu Ala Ile Glu Gln Glu Lys
20 25 30

<210> 51
<211> 38
<212> PRT
<213> Homo sapiens

<400> 51
Ala Asp Lys Pro Asp Met Gly Glu Ile Ala Ser Phe Asp Lys Ala Lys

1 5 10 15

Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Thr Leu Pro Thr Lys Glu
20 25 30

Thr Ile Glu Gln Glu Lys
35

<210> 52
<211> 991
<212> PRT
<213> Mus musculus

<400> 52
Met Ala Pro Ala Arg Ala Arg Leu Ser Pro Ala Leu Trp Val Val Thr
1 5 10 15

Ala Ala Ala Ala Ala Thr Cys Val Ser Ala Gly Arg Gly Glu Val Asn
20 25 30

Leu Leu Asp Thr Ser Thr Ile His Gly Asp Trp Gly Trp Leu Thr Tyr
35 40 45

Pro Ala His Gly Trp Asp Ser Ile Asn Glu Val Asp Glu Ser Phe Arg
50 55 60

Pro Ile His Thr Tyr Gln Val Cys Asn Val Met Ser Pro Asn Gln Asn
65 70 75 80

Asn Trp Leu Arg Thr Asn Trp Val Pro Arg Asp Gly Ala Arg Arg Val
85 90 95

Tyr Ala Glu Ile Lys Phe Thr Leu Arg Asp Cys Asn Ser Ile Pro Gly
100 105 110

Val Leu Gly Thr Cys Lys Glu Thr Phe Asn Leu His Tyr Leu Glu Ser
115 120 125

Asp Arg Asp Leu Gly Ala Ser Thr Gln Glu Ser Gln Phe Leu Lys Ile
130 135 140

Asp Thr Ile Ala Ala Asp Glu Ser Phe Thr Gly Ala Asp Leu Gly Val
145 150 155 160

Arg Arg Leu Lys Leu Asn Thr Glu Val Arg Gly Val Gly Pro Leu Ser
165 170 175

Lys Arg Gly Phe Tyr Leu Ala Phe Gln Asp Ile Gly Ala Cys Leu Ala
180 185 190

Ile Leu Ser Leu Arg Ile Tyr Tyr Lys Lys Cys Pro Ala Met Val Arg
195 200 205

Asn Leu Ala Ala Phe Ser Glu Ala Val Thr Gly Ala Asp Ser Ser Ser
210 215 220

Leu Val Glu Val Arg Gly Gln Cys Val Arg His Ser Glu Glu Arg Asp
 225 230 235 240
 Thr Pro Lys Met Tyr Cys Ser Ala Glu Gly Glu Trp Leu Val Pro Ile
 245 250 255
 Gly Lys Cys Val Cys Ser Ala Gly Tyr Glu Glu Arg Arg Asp Ala Cys
 260 265 270
 Met Ala Cys Glu Leu Gly Phe Tyr Lys Ser Ala Pro Gly Asp Gln Leu
 275 280 285
 Cys Ala Arg Cys Pro Pro His Ser His Ser Ala Thr Pro Ala Ala Gln
 290 295 300
 Thr Cys Arg Cys Asp Leu Ser Tyr Tyr Arg Ala Ala Leu Asp Pro Pro
 305 310 315 320
 Ser Ala Ala Cys Thr Arg Pro Pro Ser Ala Pro Val Asn Leu Ile Ser
 325 330 335
 Ser Val Asn Gly Thr Ser Val Thr Leu Glu Trp Ala Pro Pro Leu Asp
 340 345 350
 Pro Gly Gly Arg Ser Asp Ile Thr Tyr Asn Ala Val Cys Arg Arg Cys
 355 360 365
 Pro Trp Ala Leu Ser His Cys Glu Ala Cys Gly Ser Gly Thr Arg Phe
 370 375 380
 Val Pro Gln Gln Thr Ser Leu Ala Gln Ala Ser Leu Leu Val Ala Asn
 385 390 395 400
 Leu Leu Ala His Met Asn Tyr Ser Phe Trp Ile Glu Ala Val Asn Gly
 405 410 415
 Val Ser Asn Leu Ser Pro Glu Pro Arg Ser Ala Ala Val Val Asn Ile
 420 425 430
 Thr Thr Asn Gln Ala Ala Pro Ser Gln Val Val Val Ile Arg Gln Glu
 435 440 445
 Arg Ala Gly Gln Thr Ser Val Ser Leu Leu Trp Gln Glu Pro Glu Gln
 450 455 460
 Pro Asn Gly Ile Ile Leu Glu Tyr Glu Ile Lys Tyr Tyr Glu Lys Asp
 465 470 475 480
 Lys Glu Met Gln Ser Tyr Ser Thr Leu Lys Ala Val Thr Thr Arg Ala
 485 490 495
 Thr Val Ser Gly Leu Lys Pro Gly Thr Arg Tyr Val Phe Gln Val Arg
 500 505 510
 Ala Arg Thr Ser Ala Gly Cys Gly Arg Phe Ser Gln Ala Met Glu Val
 515 520 525

Glu Thr Gly Lys Pro Arg Pro Arg Tyr Asp Thr Arg Thr Ile Val Trp
 530 535 540
 Ile Cys Leu Thr Leu Ile Thr Gly Leu Val Val Leu Leu Leu Leu
 545 550 555 560
 Ile Cys Lys Lys Arg His Cys Gly Tyr Ser Lys Ala Phe Gln Asp Ser
 565 570 575
 Asp Glu Glu Lys Met His Tyr Gln Asn Gly Gln Ala Pro Pro Pro Val
 580 585 590
 Phe Leu Pro Leu Asn His Pro Pro Gly Lys Phe Pro Glu Thr Gln Phe
 595 600 605
 Ser Ala Glu Pro His Thr Tyr Glu Glu Pro Gly Arg Ala Gly Arg Ser
 610 615 620
 Phe Thr Arg Glu Ile Glu Ala Ser Arg Ile His Ile Glu Lys Ile Ile
 625 630 635 640
 Gly Ser Gly Glu Ser Gly Glu Val Cys Tyr Gly Arg Leu Gln Val Pro
 645 650 655
 Gly Gln Arg Asp Val Pro Val Ala Ile Lys Ala Leu Lys Ala Gly Tyr
 660 665 670
 Thr Glu Arg Gln Arg Gln Asp Phe Leu Ser Glu Ala Ala Ile Met Gly
 675 680 685
 Gln Phe Asp His Pro Asn Ile Ile Arg Leu Glu Gly Val Val Thr Arg
 690 695 700
 Gly Arg Leu Ala Met Ile Val Thr Glu Tyr Met Glu Asn Gly Ser Leu
 705 710 715 720
 Asp Ala Phe Leu Arg Thr His Asp Gly Gln Phe Thr Ile Val Gln Leu
 725 730 735
 Val Gly Met Leu Arg Gly Val Gly Ala Gly Met Arg Tyr Leu Ser Asp
 740 745 750
 Leu Gly Tyr Ile His Arg Asp Leu Ala Ala Arg Asn Val Leu Val Asp
 755 760 765
 Gly Arg Leu Val Cys Lys Val Ser Asp Phe Gly Leu Ser Arg Ala Leu
 770 775 780
 Glu Asp Asp Pro Glu Ala Ala Tyr Thr Ala Gly Gly Lys Ile Pro
 785 790 795 800
 Ile Arg Trp Thr Ala Pro Glu Ala Ile Ala Phe Arg Thr Phe Ser Ser
 805 810 815
 Ala Ser Asp Val Trp Ser Phe Gly Val Val Met Trp Glu Val Leu Ala
 820 825 830

Tyr Gly Glu Arg Pro Tyr Trp Asn Met Thr Asn Gln Asp Val Ile Ser
 835 840 845

 Ser Val Glu Glu Gly Tyr Arg Leu Pro Ala Pro Met Gly Cys Pro Arg
 850 855 860

 Ala Leu His Gln Leu Met Leu Asp Cys Trp His Lys Asp Arg Ala Gln
 865 870 875 880

 Arg Pro Arg Phe Ala His Val Val Ser Val Leu Asp Ala Leu Val His
 885 890 895

 Ser Pro Glu Ser Leu Arg Ala Thr Ala Thr Val Ser Arg Cys Pro Pro
 900 905 910

 Pro Ala Phe Ala Arg Ser Cys Phe Asp Leu Arg Ala Gly Gly Ser Gly
 915 920 925

 Asn Gly Asp Leu Thr Val Gly Asp Trp Leu Asp Ser Ile Arg Met Gly
 930 935 940

 Arg Tyr Arg Asp His Phe Ala Ala Gly Gly Tyr Ser Ser Leu Gly Met
 945 950 955 960

 Val Leu Arg Met Asn Ala Gln Asp Val Arg Ala Leu Gly Ile Thr Leu
 965 970 975

 Met Gly His Gln Lys Ile Leu Gly Ser Ile Gln Thr Met Arg
 980 985 990

 <210> 53
 <211> 992
 <212> PRT
 <213> Homo sapiens

 <400> 53
 Met Ala Pro Ala Arg Gly Arg Leu Pro Pro Ala Leu Trp Val Val Thr
 1 5 10 15

 Ala Ala Ala Ala Ala Ala Thr Cys Val Ser Ala Ala Arg Gly Glu Val
 20 25 30

 Asn Leu Leu Asp Thr Ser Thr Ile His Gly Asp Trp Gly Trp Leu Thr
 35 40 45

 Tyr Pro Ala His Gly Trp Asp Ser Ile Asn Glu Val Asp Glu Ser Phe
 50 55 60

 Gln Pro Ile His Thr Tyr Gln Val Cys Asn Val Met Ser Pro Asn Gln
 65 70 75 80

 Asn Asn Trp Leu Arg Thr Ser Trp Val Pro Arg Asp Gly Ala Arg Arg
 85 90 95

 Val Tyr Ala Glu Ile Lys Phe Thr Leu Arg Asp Cys Asn Ser Met Pro
 100 105 110

Gly Val Leu Gly Thr Cys Lys Glu Thr Phe Asn Leu Tyr Tyr Leu Glu
 115 120 125

 Ser Asp Arg Asp Leu Gly Ala Ser Thr Gln Glu Ser Gln Phe Leu Lys
 130 135 140

 Ile Asp Thr Ile Ala Ala Asp Glu Ser Phe Thr Gly Ala Asp Leu Gly
 145 150 155 160

 Val Arg Arg Leu Lys Leu Asn Thr Glu Val Arg Ser Val Gly Pro Leu
 165 170 175

 Ser Lys Arg Gly Phe Tyr Leu Ala Phe Gln Asp Ile Gly Ala Cys Leu
 180 185 190

 Ala Ile Leu Ser Leu Arg Ile Tyr Tyr Lys Lys Cys Pro Ala Met Val
 195 200 205

 Arg Asn Leu Ala Ala Phe Ser Glu Ala Val Thr Gly Ala Asp Ser Ser
 210 215 220

 Ser Leu Val Glu Val Arg Gly Gln Cys Val Arg His Ser Glu Glu Arg
 225 230 235 240

 Asp Thr Pro Lys Met Tyr Cys Ser Ala Glu Gly Glu Trp Leu Val Pro
 245 250 255

 Ile Gly Lys Cys Val Cys Ser Ala Gly Tyr Glu Glu Arg Arg Asp Ala
 260 265 270

 Cys Val Ala Cys Glu Leu Gly Phe Tyr Lys Ser Ala Pro Gly Asp Gln
 275 280 285

 Leu Cys Ala Arg Cys Pro Pro His Ser His Ser Ala Ala Pro Ala Ala
 290 295 300

 Gln Ala Cys His Cys Asp Leu Ser Tyr Tyr Arg Ala Ala Leu Asp Pro
 305 310 315 320

 Pro Ser Ser Ala Cys Thr Arg Pro Pro Ser Ala Pro Val Asn Leu Ile
 325 330 335

 Ser Ser Val Asn Gly Thr Ser Val Thr Leu Glu Trp Ala Pro Pro Leu
 340 345 350

 Asp Pro Gly Gly Arg Ser Asp Ile Thr Tyr Asn Ala Val Cys Arg Arg
 355 360 365

 Cys Pro Trp Ala Leu Ser Arg Cys Glu Ala Cys Gly Ser Gly Thr Arg
 370 375 380

 Phe Val Pro Gln Gln Thr Ser Leu Val Gln Ala Ser Leu Leu Val Ala
 385 390 395 400

 Asn Leu Leu Ala His Met Asn Tyr Ser Phe Trp Ile Glu Ala Val Asn
 405 410 415

Gly Val Ser Asp Leu Ser Pro Glu Pro Arg Arg Ala Ala Val Val Asn
 420 425 430

 Ile Thr Thr Asn Gln Ala Ala Pro Ser Gln Val Val Val Ile Arg Gln
 435 440 445

 Glu Arg Ala Gly Gln Thr Ser Val Ser Leu Leu Trp Gln Glu Pro Glu
 450 455 460

 Gln Pro Asn Gly Ile Ile Leu Glu Tyr Glu Ile Lys Tyr Tyr Glu Lys
 465 470 475 480

 Asp Lys Glu Met Gln Ser Tyr Ser Thr Leu Lys Ala Val Thr Thr Arg
 485 490 495

 Ala Thr Val Ser Gly Leu Lys Pro Gly Thr Arg Tyr Val Phe Gln Val
 500 505 510

 Arg Ala Arg Thr Ser Ala Gly Cys Gly Arg Phe Ser Gln Ala Met Glu
 515 520 525

 Val Glu Thr Gly Lys Pro Arg Pro Arg Tyr Asp Thr Arg Thr Ile Val
 530 535 540

 Trp Ile Cys Leu Thr Leu Ile Thr Gly Leu Val Val Leu Leu Leu Leu
 545 550 555 560

 Leu Ile Cys Lys Lys Arg His Cys Gly Tyr Ser Lys Ala Phe Gln Asp
 565 570 575

 Ser Asp Glu Glu Lys Met His Tyr Gln Asn Gly Gln Ala Pro Pro Pro
 580 585 590

 Val Phe Leu Pro Leu His His Pro Pro Gly Lys Leu Pro Glu Pro Gln
 595 600 605

 Phe Tyr Ala Glu Pro His Thr Tyr Glu Glu Pro Gly Arg Ala Gly Arg
 610 615 620

 Ser Phe Thr Arg Glu Ile Glu Ala Ser Arg Ile His Ile Glu Lys Ile
 625 630 635 640

 Ile Gly Ser Gly Asp Ser Gly Glu Val Cys Tyr Gly Arg Leu Arg Val
 645 650 655

 Pro Gly Gln Arg Asp Val Pro Val Ala Ile Lys Ala Leu Lys Ala Gly
 660 665 670

 Tyr Thr Glu Arg Gln Arg Arg Asp Phe Leu Ser Glu Ala Ser Ile Met
 675 680 685

 Gly Gln Phe Asp His Pro Asn Ile Ile Arg Leu Glu Gly Val Val Thr
 690 695 700

 Arg Gly Arg Leu Ala Met Ile Val Thr Glu Tyr Met Glu Asn Gly Ser
 705 710 715 720

Leu Asp Thr Phe Leu Arg Thr His Asp Gly Gln Phe Thr Ile Met Gln
 725 730 735
 Leu Val Gly Met Leu Arg Gly Val Gly Ala Gly Met Arg Tyr Leu Ser
 740 745 750
 Asp Leu Gly Tyr Val His Arg Asp Leu Ala Ala Arg Asn Val Leu Val
 755 760 765
 Asp Ser Asn Leu Val Cys Lys Val Ser Asp Phe Gly Leu Ser Arg Val
 770 775 780
 Leu Glu Asp Asp Pro Asp Ala Ala Tyr Thr Thr Gly Gly Lys Ile
 785 790 795 800
 Pro Ile Arg Trp Thr Ala Pro Glu Ala Ile Ala Phe Arg Thr Phe Ser
 805 810 815
 Ser Ala Ser Asp Val Trp Ser Phe Gly Val Val Met Trp Glu Val Leu
 820 825 830
 Ala Tyr Gly Glu Arg Pro Tyr Trp Asn Met Thr Asn Arg Asp Val Ile
 835 840 845
 Ser Ser Val Glu Glu Gly Tyr Arg Leu Pro Ala Pro Met Gly Cys Pro
 850 855 860
 His Ala Leu His Gln Leu Met Leu Asp Cys Trp His Lys Asp Arg Ala
 865 870 875 880
 Gln Arg Pro Arg Phe Ser Gln Ile Val Ser Val Leu Asp Ala Leu Ile
 885 890 895
 Arg Ser Pro Glu Ser Leu Arg Ala Thr Ala Thr Val Ser Arg Cys Pro
 900 905 910
 Pro Pro Ala Phe Val Arg Ser Cys Phe Asp Leu Arg Gly Gly Ser Gly
 915 920 925
 Gly Gly Gly Leu Thr Val Gly Asp Trp Leu Asp Ser Ile Arg Met
 930 935 940
 Gly Arg Tyr Arg Asp His Phe Ala Ala Gly Gly Tyr Ser Ser Leu Gly
 945 950 955 960
 Met Val Leu Arg Met Asn Ala Gln Asp Val Arg Ala Leu Gly Ile Thr
 965 970 975
 Leu Met Gly His Gln Lys Lys Ile Leu Gly Ser Ile Gln Thr Met Arg
 980 985 990

<211> 450

<212> PRT

<213> Mus musculus

<400> 54

Met Ala Pro Ala Arg Ala Arg Leu Ser Pro Ala Leu Trp Val Val Thr
1 5 10 15

Ala Ala Ala Ala Ala Thr Cys Val Ser Ala Gly Arg Gly Glu Val Asn
20 25 30

Leu Leu Asp Thr Ser Thr Ile His Gly Asp Trp Gly Trp Leu Thr Tyr
35 40 45

Pro Ala His Gly Trp Asp Ser Ile Asn Glu Val Asp Glu Ser Phe Arg
50 55 60

Pro Ile His Thr Tyr Gln Val Cys Asn Val Met Ser Pro Asn Gln Asn
65 70 75 80

Asn Trp Leu Arg Thr Asn Trp Val Pro Arg Asp Gly Ala Arg Arg Val
85 90 95

Tyr Ala Glu Ile Lys Phe Thr Leu Arg Asp Cys Asn Ser Ile Pro Gly
100 105 110

Val Leu Gly Thr Cys Lys Glu Thr Phe Asn Leu His Tyr Leu Glu Ser
115 120 125

Asp Arg Asp Leu Gly Ala Ser Thr Gln Glu Ser Gln Phe Leu Lys Ile
130 135 140

Asp Thr Ile Ala Ala Asp Glu Ser Phe Thr Gly Ala Asp Leu Gly Val
145 150 155 160

Arg Arg Leu Lys Leu Asn Thr Glu Val Arg Gly Val Gly Pro Leu Ser
165 170 175

Lys Arg Gly Phe Tyr Leu Ala Phe Gln Asp Ile Gly Ala Cys Leu Ala
180 185 190

Ile Leu Ser Leu Arg Ile Tyr Tyr Lys Lys Cys Pro Ala Met Val Arg
195 200 205

Asn Leu Ala Ala Phe Ser Glu Ala Val Thr Gly Ala Asp Ser Ser Ser
210 215 220

Leu Val Glu Val Arg Gly Gln Cys Val Arg His Ser Glu Glu Arg Asp
225 230 235 240

Thr Pro Lys Met Tyr Cys Ser Ala Glu Gly Glu Trp Leu Val Pro Ile
245 250 255

Gly Lys Cys Val Cys Ser Ala Gly Tyr Glu Glu Arg Arg Asp Ala Cys
260 265 270

Met Ala Cys Glu Leu Gly Phe Tyr Lys Ser Ala Pro Gly Asp Gln Leu

275	280	285
Cys Ala Arg Cys Pro Pro His Ser His Ser Ala Thr Pro Ala Ala Gln 290	295	300
Thr Cys Arg Cys Asp Leu Ser Tyr Tyr Arg Ala Ala Leu Asp Pro Pro 305	310	315
Ser Ala Ala Cys Thr Arg Pro Pro Ser Ala Pro Val Asn Leu Ile Ser 325	330	335
Ser Val Asn Gly Thr Ser Val Thr Leu Glu Trp Ala Pro Pro Leu Asp 340	345	350
Pro Gly Gly Arg Ser Asp Ile Thr Tyr Asn Ala Val Cys Arg Arg Cys 355	360	365
Pro Trp Ala Leu Ser His Cys Glu Ala Cys Gly Ser Gly Thr Arg Phe 370	375	380
Val Pro Gln Gln Thr Ser Leu Ala Gln Ala Ser Leu Leu Val Ala Asn 385	390	395
Leu Leu Ala His Met Asn Tyr Ser Phe Trp Ile Glu Ala Val Asn Gly 405	410	415
Val Ser Asn Leu Ser Pro Glu Pro Arg Ser Ala Ala Val Val Asn Ile 420	425	430
Thr Thr Asn Gln Ala Ala Pro Ser Gln Val Val Val Ile Arg Gln Glu 435	440	445
Arg Ala 450		
<210> 55		
<211> 480		
<212> PRT		
<213> Homo sapiens		
<400> 55		
Met Arg Gly Ser Gly Pro Arg Gly Ala Gly His Arg Arg Pro Pro Ser 1 5 10 15		
Gly Gly Gly Asp Thr Pro Ile Thr Pro Ala Ser Leu Ala Gly Cys Tyr 20 25 30		
Ser Ala Pro Arg Arg Ala Pro Leu Trp Thr Cys Leu Leu Cys Ala 35 40 45		
Ala Leu Arg Thr Leu Leu Ala Ser Pro Ser Asn Glu Val Asn Leu Leu 50 55 60		
Asp Ser Arg Thr Val Met Gly Asp Leu Gly Trp Ile Ala Phe Pro Lys 65 70 75 80		

Asn Gly Trp Glu Glu Ile Gly Glu Val Asp Glu Asn Tyr Ala Pro Ile
 85 90 95

 His Thr Tyr Gln Val Cys Lys Val Met Glu Gln Asn Gln Asn Asn Trp
 100 105 110

 Leu Leu Thr Ser Trp Ile Ser Asn Glu Gly Ala Ser Arg Ile Phe Ile
 115 120 125

 Glu Leu Lys Phe Thr Leu Arg Asp Cys Asn Ser Leu Pro Gly Gly Leu
 130 135 140

 Gly Thr Cys Lys Glu Thr Phe Asn Met Tyr Tyr Phe Glu Ser Asp Asp
 145 150 155 160

 Gln Asn Gly Arg Asn Ile Lys Glu Asn Gln Tyr Ile Lys Ile Asp Thr
 165 170 175

 Ile Ala Ala Asp Glu Ser Phe Thr Glu Leu Asp Leu Gly Asp Arg Val
 180 185 190

 Met Lys Leu Asn Thr Glu Val Arg Asp Val Gly Pro Leu Ser Lys Lys
 195 200 205

 Gly Phe Tyr Leu Ala Phe Gln Asp Val Gly Ala Cys Ile Ala Leu Val
 210 215 220

 Ser Val Arg Val Tyr Tyr Lys Lys Cys Pro Ser Val Val Arg His Leu
 225 230 235 240

 Ala Val Phe Pro Asp Thr Ile Thr Gly Ala Asp Ser Ser Gln Leu Leu
 245 250 255

 Glu Val Ser Gly Ser Cys Val Asn His Ser Val Thr Asp Glu Pro Pro
 260 265 270

 Lys Met His Cys Ser Ala Glu Gly Glu Trp Leu Val Pro Ile Gly Lys
 275 280 285

 Cys Met Cys Lys Ala Gly Tyr Glu Glu Lys Asn Gly Thr Cys Gln Val
 290 295 300

 Cys Arg Pro Gly Phe Phe Lys Ala Ser Pro His Ile Gln Ser Cys Gly
 305 310 315 320

 Lys Cys Pro Pro His Ser Tyr Thr His Glu Glu Ala Ser Thr Ser Cys
 325 330 335

 Val Cys Glu Lys Asp Tyr Phe Arg Arg Glu Ser Asp Pro Pro Thr Met
 340 345 350

 Ala Cys Thr Arg Pro Pro Ser Ala Pro Arg Asn Ala Ile Ser Asn Val
 355 360 365

 Asn Glu Thr Ser Val Phe Leu Glu Trp Ile Pro Pro Ala Asp Thr Gly
 370 375 380

Gly	Arg	Lys	Asp	Val	Ser	Tyr	Tyr	Ile	Ala	Cys	Lys	Lys	Cys	Asn	Ser
385															400
His	Ala	Gly	Val	Cys	Glu	Glu	Cys	Gly	Gly	His	Val	Arg	Tyr	Leu	Pro
															415
405															
Arg	Gln	Ser	Gly	Leu	Lys	Asn	Thr	Ser	Val	Met	Met	Val	Asp	Leu	Leu
															420
															425
420															430
Ala	His	Thr	Asn	Tyr	Thr	Phe	Glu	Ile	Glu	Ala	Val	Asn	Gly	Val	Ser
															435
															440
435															445
Asp	Leu	Ser	Pro	Gly	Ala	Arg	Gln	Tyr	Val	Ser	Val	Asn	Val	Thr	Thr
															450
															455
450															460
Asn	Gln	Ala	Ala	Pro	Ser	Pro	Val	Thr	Asn	Val	Lys	Lys	Gly	Lys	Ile
															465
															470
465															475
															480

<210>	56														
<211>	456														
<212>	PRT														
<213>	Gallus gallus														
<400>	56														
Met	Gly	Leu	Arg	Gly	Gly	Gly	Arg	Ala	Gly	Gly	Pro	Ala	Pro	Gly	
1															15
Trp	Thr	Cys	Leu	Leu	Leu	Cys	Ala	Ala	Leu	Arg	Ser	Leu	Leu	Ala	Ser
															20
															25
															30
Pro	Gly	Ser	Glu	Val	Asn	Leu	Leu	Asp	Ser	Arg	Thr	Val	Met	Gly	Asp
															35
															40
															45
Leu	Gly	Trp	Ile	Ala	Tyr	Pro	Lys	Asn	Gly	Trp	Glu	Glu	Ile	Gly	Glu
															50
															55
															60
Val	Asp	Glu	Asn	Tyr	Ala	Pro	Ile	His	Thr	Tyr	Gln	Val	Cys	Lys	Val
															65
															70
															75
Met	Glu	Gln	Asn	Gln	Asn	Asn	Trp	Leu	Leu	Thr	Ser	Trp	Ile	Ser	Asn
															85
															90
															95
Glu	Gly	Arg	Pro	Ala	Ser	Ser	Phe	Glu	Leu	Lys	Phe	Thr	Leu	Arg	Asp
															100
															105
															110
Cys	Asn	Ser	Leu	Pro	Gly	Gly	Leu	Gly	Thr	Cys	Lys	Glu	Thr	Phe	Asn
															115
															120
															125
Met	Tyr	Tyr	Phe	Glu	Ser	Asp	Asp	Glu	Asp	Gly	Arg	Asn	Ile	Arg	Glu
															130
															135
															140
Asn	Gln	Tyr	Ile	Lys	Ile	Asp	Thr	Ile	Ala	Ala	Asp	Glu	Ser	Phe	Thr
															145
															150
															155
															160

Glu Leu Asp Leu Gly Asp Arg Val Met Lys Leu Asn Thr Glu Val Arg
 165 170 175

 Asp Val Gly Pro Leu Thr Lys Lys Gly Phe Tyr Leu Ala Phe Gln Asp
 180 185 190

 Val Gly Ala Cys Ile Ala Leu Val Ser Val Arg Val Tyr Tyr Lys Lys
 195 200 205

 Cys Pro Ser Val Ile Arg Asn Leu Ala Arg Phe Pro Asp Thr Ile Thr
 210 215 220

 Gly Ala Asp Ser Ser Gln Leu Leu Glu Val Ser Gly Val Cys Val Asn
 225 230 235 240

 His Ser Val Thr Asp Glu Ala Pro Lys Met His Cys Ser Ala Glu Gly
 245 250 255

 Glu Trp Leu Val Pro Ile Gly Lys Cys Leu Cys Lys Ala Gly Tyr Glu
 260 265 270

 Glu Lys Asn Asn Thr Cys Gln Val Cys Arg Pro Gly Phe Phe Lys Ala
 275 280 285

 Ser Pro His Ser Pro Ser Cys Ser Lys Cys Pro Pro His Ser Tyr Thr
 290 295 300

 Leu Asp Glu Ala Ser Thr Ser Cys Leu Cys Glu Glu His Tyr Phe Arg
 305 310 315 320

 Arg Glu Ser Asp Pro Pro Thr Met Ala Cys Thr Arg Pro Pro Ser Ala
 325 330 335

 Pro Arg Ser Ala Ile Ser Asn Val Asn Glu Thr Ser Val Phe Leu Glu
 340 345 350

 Trp Ile Pro Pro Ala Asp Thr Gly Gly Arg Lys Asp Val Ser Tyr Tyr
 355 360 365

 Ile Ala Cys Lys Cys Asn Ser His Ser Gly Leu Cys Glu Ala Cys
 370 375 380

 Gly Ser His Val Arg Tyr Leu Pro Gln Gln Thr Gly Leu Lys Asn Thr
 385 390 395 400

 Ser Val Met Met Val Asp Leu Leu Ala His Thr Asn Tyr Thr Phe Glu
 405 410 415

 Ile Glu Ala Val Asn Gly Val Ser Asp Gln Asn Pro Gly Ala Arg Gln
 420 425 430

 Phe Val Ser Val Asn Val Thr Thr Asn Gln Ala Ala Pro Ser Pro Val
 435 440 445

 Ser Ser Val Lys Lys Gly Lys Ile
 450 455

<210> 57
 <211> 649
 <212> PRT
 <213> Homo sapiens

<400> 57
 Met Ile Ser Ala Ala Trp Ser Ile Phe Leu Ile Gly Thr Lys Ile Gly
 1 5 10 15

Leu Phe Leu Gln Val Ala Pro Leu Ser Val Met Ala Lys Ser Cys Pro
 20 25 30

Ser Val Cys Arg Cys Asp Ala Gly Phe Ile Tyr Cys Asn Asp Arg Phe
 35 40 45

Leu Thr Ser Ile Pro Thr Gly Ile Pro Glu Asp Ala Thr Thr Leu Tyr
 50 55 60

Leu Gln Asn Asn Gln Ile Asn Asn Ala Gly Ile Pro Ser Asp Leu Lys
 65 70 75 80

Asn Leu Leu Lys Val Glu Arg Ile Tyr Leu Tyr His Asn Ser Leu Asp
 85 90 95

Glu Phe Pro Thr Asn Leu Pro Lys Tyr Val Lys Glu Leu His Leu Gln
 100 105 110

Glu Asn Asn Ile Arg Thr Ile Thr Tyr Asp Ser Leu Ser Lys Ile Pro
 115 120 125

Tyr Leu Glu Glu Leu His Leu Asp Asp Asn Ser Val Ser Ala Val Ser
 130 135 140

Ile Glu Glu Gly Ala Phe Arg Asp Ser Asn Tyr Leu Arg Leu Leu Phe
 145 150 155 160

Leu Ser Arg Asn His Leu Ser Thr Ile Pro Trp Gly Leu Pro Arg Thr
 165 170 175

Ile Glu Glu Leu Arg Leu Asp Asp Asn Arg Ile Ser Thr Ile Ser Ser
 180 185 190

Pro Ser Leu Gln Gly Leu Thr Ser Leu Lys Arg Leu Val Leu Asp Gly
 195 200 205

Asn Leu Leu Asn Asn His Gly Leu Gly Asp Lys Val Phe Phe Asn Leu
 210 215 220

Val Asn Leu Thr Glu Leu Ser Leu Val Arg Asn Ser Leu Thr Ala Ala
 225 230 235 240

Pro Val Asn Leu Pro Gly Thr Asn Leu Arg Lys Leu Tyr Leu Gln Asp
 245 250 255

Asn His Ile Asn Arg Val Pro Pro Asn Ala Phe Ser Tyr Leu Arg Gln

260	265	270
Leu Tyr Arg Leu Asp Met Ser Asn Asn Asn	Leu Ser Asn Leu Pro Gln	
275	280	285
Gly Ile Phe Asp Asp Leu Asp Asn Ile Thr Gln	Leu Ile Leu Arg Asn	
290	295	300
Asn Pro Trp Tyr Cys Gly Cys Lys Met Lys	Trp Val Arg Asp Trp Leu	
305	310	315
Gln Ser Leu Pro Val Lys Val Asn Val Arg	Gly Leu Met Cys Gln Ala	
325	330	335
Pro Glu Lys Val Arg Gly Met Ala Ile Lys Asp	Leu Asn Ala Glu Leu	
340	345	350
Phe Asp Cys Lys Asp Ser Gly Ile Val Ser Thr Ile Gln	Ile Thr Thr	
355	360	365
Ala Ile Pro Asn Thr Val Tyr Pro Ala Gln	Gly Gln Trp Pro Ala Pro	
370	375	380
Val Thr Lys Gln Pro Asp Ile Lys Asn Pro Lys	Leu Thr Lys Asp His	
385	390	395
Gln Thr Thr Gly Ser Pro Ser Arg Lys Thr Ile	Thr Ile Thr Val Lys	
405	410	415
Ser Val Thr Ser Asp Thr Ile His Ile Ser Trp Lys	Leu Ala Leu Pro	
420	425	430
Met Thr Ala Leu Arg Leu Ser Trp Leu Lys	Leu Gly His Ser Pro Ala	
435	440	445
Phe Gly Ser Ile Thr Glu Thr Ile Val Thr Gly	Glu Arg Ser Glu Tyr	
450	455	460
Leu Val Thr Ala Leu Glu Pro Asp Ser Pro Tyr	Lys Val Cys Met Val	
465	470	475
480		
Pro Met Glu Thr Ser Asn Leu Tyr Leu Phe Asp	Glu Thr Pro Val Cys	
485	490	495
Ile Glu Thr Glu Thr Ala Pro Leu Arg Met	Tyr Asn Pro Thr Thr	
500	505	510
Leu Asn Arg Glu Gln Glu Lys Glu Pro Tyr Lys	Asn Pro Asn Leu Pro	
515	520	525
Leu Ala Ala Ile Ile Gly Gly Ala Val Ala	Leu Val Thr Ile Ala Leu	
530	535	540
Leu Ala Leu Val Cys Trp Tyr Val His Arg	Asn Gly Ser Leu Phe Ser	
545	550	555
Arg Asn Cys Ala Tyr Ser Lys Gly Arg Arg	Lys Asp Asp Tyr Ala	

565	570	575
Glu Ala Gly Thr Lys Lys Asp Asn Ser Ile Leu Glu Ile Arg Glu Thr		
580	585	590
Ser Phe Gln Met Leu Pro Ile Ser Asn Glu Pro Ile Ser Lys Glu Glu		
595	600	605
Phe Val Ile His Thr Ile Phe Pro Pro Asn Gly Met Asn Leu Tyr Lys		
610	615	620
Asn Asn His Ser Glu Ser Ser Asn Arg Ser Tyr Arg Asp Ser Gly		
625	630	635
Ile Pro Asp Ser Asp His Ser His Ser		
645		
<210> 58		
<211> 660		
<212> PRT		
<213> Homo sapiens		
<400> 58		
Met Gly Leu Gln Thr Thr Lys Trp Pro Ser His Gly Ala Phe Phe Leu		
1	5	10
15		
Lys Ser Trp Leu Ile Ile Ser Leu Gly Leu Tyr Ser Gln Val Ser Lys		
20	25	30
Leu Leu Ala Cys Pro Ser Val Cys Arg Cys Asp Arg Asn Phe Val Tyr		
35	40	45
Cys Asn Glu Arg Ser Leu Thr Ser Val Pro Leu Gly Ile Pro Glu Gly		
50	55	60
Val Thr Val Leu Tyr Leu His Asn Asn Gln Ile Asn Asn Ala Gly Phe		
65	70	75
80		
Pro Ala Glu Leu His Asn Val Gln Ser Val His Thr Val Tyr Leu Tyr		
85	90	95
Gly Asn Gln Leu Asp Glu Phe Pro Met Asn Leu Pro Lys Asn Val Arg		
100	105	110
Val Leu His Leu Gln Glu Asn Asn Ile Gln Thr Ile Ser Arg Ala Ala		
115	120	125
Leu Ala Gln Leu Leu Lys Leu Glu Glu Leu His Leu Asp Asp Asn Ser		
130	135	140
Ile Ser Thr Val Gly Val Glu Asp Gly Ala Phe Arg Glu Ala Ile Ser		
145	150	155
160		
Leu Lys Leu Leu Phe Leu Ser Lys Asn His Leu Ser Ser Val Pro Val		
165	170	175

Gly Leu Pro Val Asp Leu Gln Glu Leu Arg Val Asp Glu Asn Arg Ile
 180 185 190
 Ala Val Ile Ser Asp Met Ala Phe Gln Asn Leu Thr Ser Leu Glu Arg
 195 200 205
 Leu Ile Val Asp Gly Asn Leu Leu Thr Asn Lys Gly Ile Ala Glu Gly
 210 215 220
 Thr Phe Ser His Leu Thr Lys Leu Lys Glu Phe Ser Ile Val Arg Asn
 225 230 235 240
 Ser Leu Ser His Pro Pro Pro Asp Leu Pro Gly Thr His Leu Ile Arg
 245 250 255
 Leu Tyr Leu Gln Asp Asn Gln Ile Asn His Ile Pro Leu Thr Ala Phe
 260 265 270
 Ser Asn Leu Arg Lys Leu Glu Arg Leu Asp Ile Ser Asn Asn Gln Leu
 275 280 285
 Arg Met Leu Thr Gln Gly Val Phe Asp Asn Leu Ser Asn Leu Lys Gln
 290 295 300
 Leu Thr Ala Arg Asn Asn Pro Trp Phe Cys Asp Cys Ser Ile Lys Trp
 305 310 315 320
 Val Thr Glu Trp Leu Lys Tyr Ile Pro Ser Ser Leu Asn Val Arg Gly
 325 330 335
 Phe Met Cys Gln Gly Pro Glu Gln Val Arg Gly Met Ala Val Arg Glu
 340 345 350
 Leu Asn Met Asn Leu Leu Ser Cys Pro Thr Thr Thr Pro Gly Leu Pro
 355 360 365
 Leu Phe Thr Pro Ala Pro Ser Thr Ala Ser Pro Thr Thr Gln Pro Pro
 370 375 380
 Thr Leu Ser Ile Pro Asn Pro Ser Arg Ser Tyr Thr Pro Pro Thr Pro
 385 390 395 400
 Thr Thr Ser Lys Leu Pro Thr Ile Pro Asp Trp Asp Gly Arg Glu Arg
 405 410 415
 Val Thr Pro Pro Ile Ser Glu Arg Ile Gln Leu Ser Ile His Phe Val
 420 425 430
 Asn Asp Thr Ser Ile Gln Val Ser Trp Leu Ser Leu Phe Thr Val Met
 435 440 445
 Ala Tyr Lys Leu Thr Trp Val Lys Met Gly His Ser Leu Val Gly Gly
 450 455 460
 Ile Val Gln Glu Arg Ile Val Ser Gly Glu Lys Gln His Leu Ser Leu
 465 470 475 480

Val Asn Leu Glu Pro Arg Ser Thr Tyr Arg Ile Cys Leu Val Pro Leu
 485 490 495

 Asp Ala Phe Asn Tyr Arg Ala Val Glu Asp Thr Ile Cys Ser Glu Ala
 500 505 510

 Thr Thr His Ala Ser Tyr Leu Asn Asn Gly Ser Asn Thr Ala Ser Ser
 515 520 525

 His Glu Gln Thr Thr Ser His Ser Met Gly Ser Pro Phe Leu Leu Ala
 530 535 540

 Gly Leu Ile Gly Gly Ala Val Ile Phe Val Leu Val Val Leu Leu Ser
 545 550 555 560

 Val Phe Cys Trp His Met His Lys Lys Gly Arg Tyr Thr Ser Gln Lys
 565 570 575

 Trp Lys Tyr Asn Arg Gly Arg Arg Lys Asp Asp Tyr Cys Glu Ala Gly
 580 585 590

 Thr Lys Lys Asp Asn Ser Ile Leu Glu Met Thr Glu Thr Ser Phe Gln
 595 600 605

 Ile Val Ser Leu Asn Asn Asp Gln Leu Leu Lys Gly Asp Phe Arg Leu
 610 615 620

 Gln Pro Ile Tyr Thr Pro Asn Gly Gly Ile Asn Tyr Thr Asp Cys His
 625 630 635 640

 Ile Pro Asn Asn Met Arg Tyr Cys Asn Ser Ser Val Pro Asp Leu Glu
 645 650 655

 His Cys His Thr
 660

<210> 59
 <211> 674
 <212> PRT
 <213> Homo sapiens

<400> 59
 Met Val Val Ala His Pro Thr Ala Thr Ala Thr Thr Pro Thr Ala
 1 5 10 15

Thr Val Thr Ala Thr Val Val Met Thr Thr Ala Thr Met Asp Leu Arg
 20 25 30

Asp Trp Leu Phe Leu Cys Tyr Gly Leu Ile Ala Phe Leu Thr Glu Val
 35 40 45

Ile Asp Ser Thr Thr Cys Pro Ser Val Cys Arg Cys Asp Asn Gly Phe
 50 55 60

Ile Tyr Cys Asn Asp Arg Gly Leu Thr Ser Ile Pro Ala Asp Ile Pro
 65 70 75 80

Asp	Asp	Ala	Thr	Thr	Leu	Tyr	Leu	Gln	Asn	Asn	Gln	Ile	Asn	Asn	Ala
					85			90				95			
Gly	Ile	Pro	Gln	Asp	Leu	Lys	Thr	Lys	Val	Asn	Val	Gln	Val	Ile	Tyr
					100			105				110			
Leu	Tyr	Glu	Asn	Asp	Leu	Asp	Glu	Phe	Pro	Ile	Asn	Leu	Pro	Arg	Ser
					115			120				125			
Leu	Arg	Glu	Leu	His	Leu	Gln	Asp	Asn	Asn	Val	Arg	Thr	Ile	Ala	Arg
					130			135				140			
Asp	Ser	Leu	Ala	Arg	Ile	Pro	Leu	Leu	Glu	Lys	Leu	His	Leu	Asp	Asp
					145			150				155			160
Asn	Ser	Val	Ser	Thr	Val	Ser	Ile	Glu	Glu	Asp	Ala	Phe	Ala	Asp	Ser
					165			170				175			
Lys	Gln	Leu	Lys	Leu	Leu	Phe	Leu	Ser	Arg	Asn	His	Leu	Ser	Ser	Ile
					180			185				190			
Pro	Ser	Gly	Leu	Pro	His	Thr	Leu	Glu	Glu	Leu	Arg	Leu	Asp	Asp	Asn
					195			200				205			
Arg	Ile	Ser	Thr	Ile	Pro	Leu	His	Ala	Phe	Lys	Gly	Leu	Asn	Ser	Leu
					210			215				220			
Arg	Arg	Leu	Val	Leu	Asp	Gly	Asn	Leu	Leu	Ala	Asn	Gln	Arg	Ile	Ala
					225			230				235			240
Asp	Asp	Thr	Phe	Ser	Arg	Leu	Gln	Asn	Leu	Thr	Glu	Leu	Ser	Leu	Val
					245			250				255			
Arg	Asn	Ser	Leu	Ala	Ala	Pro	Pro	Leu	Asn	Leu	Pro	Ser	Ala	His	Leu
					260			265				270			
Gln	Lys	Leu	Tyr	Leu	Gln	Asp	Asn	Ala	Ile	Ser	His	Ile	Pro	Tyr	Asn
					275			280				285			
Thr	Leu	Ala	Lys	Met	Arg	Glu	Leu	Glu	Arg	Leu	Asp	Leu	Ser	Asn	Asn
					290			295				300			
Asn	Leu	Thr	Thr	Leu	Pro	Arg	Gly	Leu	Phe	Asp	Asp	Leu	Gly	Asn	Leu
					305			310				315			320
Ala	Gln	Leu	Leu	Leu	Arg	Asn	Asn	Pro	Trp	Phe	Cys	Gly	Cys	Asn	Leu
					325			330				335			
Met	Trp	Leu	Arg	Asp	Trp	Val	Lys	Ala	Arg	Ala	Ala	Val	Val	Asn	Val
					340			345				350			
Arg	Gly	Leu	Met	Cys	Gln	Gly	Pro	Glu	Lys	Val	Arg	Gly	Met	Ala	Ile
					355			360				365			
Lys	Asp	Ile	Thr	Ser	Glu	Met	Asp	Glu	Cys	Phe	Glu	Thr	Gly	Pro	Gln
					370			375				380			

Gly Gly Val Ala Asn Ala Ala Lys Thr Thr Ala Ser Asn His Ala
 385 390 395 400
 Ser Ala Thr Thr Pro Gln Gly Ser Leu Phe Thr Leu Lys Ala Lys Arg
 405 410 415
 Pro Gly Leu Arg Leu Pro Asp Ser Asn Ile Asp Tyr Pro Met Ala Thr
 420 425 430
 Gly Asp Gly Ala Lys Thr Leu Ala Ile His Val Lys Ala Leu Thr Ala
 435 440 445
 Asp Ser Ile Arg Ile Thr Trp Lys Ala Thr Leu Pro Ala Ser Ser Phe
 450 455 460
 Arg Leu Ser Trp Leu Arg Leu Gly His Ser Pro Ala Val Gly Ser Ile
 465 470 475 480
 Thr Glu Thr Leu Val Gln Gly Asp Lys Thr Glu Tyr Leu Leu Thr Ala
 485 490 495
 Leu Glu Pro Lys Ser Thr Tyr Ile Ile Cys Met Val Thr Met Glu Thr
 500 505 510
 Ser Asn Ala Tyr Val Ala Asp Glu Thr Pro Val Cys Ala Lys Ala Glu
 515 520 525
 Thr Ala Asp Ser Tyr Gly Pro Thr Thr Thr Leu Asn Gln Glu Gln Asn
 530 535 540
 Ala Gly Pro Met Ala Ser Leu Pro Leu Ala Gly Ile Ile Gly Gly Ala
 545 550 555 560
 Val Ala Leu Val Phe Leu Phe Leu Val Leu Gly Ala Ile Cys Trp Tyr
 565 570 575
 Val His Gln Ala Gly Glu Leu Leu Thr Arg Glu Arg Ala Tyr Asn Arg
 580 585 590
 Gly Ser Arg Glu Lys Asp Asp Tyr Met Glu Ser Gly Thr Lys Lys Asp
 595 600 605
 Asn Ser Ile Leu Glu Ile Arg Gly Pro Gly Leu Gln Met Leu Pro Ile
 610 615 620
 Asn Pro Tyr Arg Ala Lys Glu Glu Tyr Val Val His Thr Ile Phe Pro
 625 630 635 640
 Ser Asn Gly Ser Ser Leu Cys Lys Ala Thr His Thr Ile Gly Tyr Gly
 645 650 655
 Thr Thr Arg Gly Tyr Arg Asp Gly Gly Ile Pro Asp Ile Asp Tyr Ser
 660 665 670
 Tyr Thr

<210> 60
<211> 674
<212> PRT
<213> Homo sapiens

<400> 60
Met Val Val Ala His Pro Thr Ala Thr Ala Thr Thr Pro Thr Ala
1 5 10 15

Thr Val Thr Ala Thr Val Val Met Thr Thr Ala Thr Met Asp Leu Arg
20 25 30

Asp Trp Leu Phe Leu Cys Tyr Gly Leu Ile Ala Phe Leu Thr Glu Val
35 40 45

Ile Asp Ser Thr Thr Cys Pro Ser Val Cys Arg Cys Asp Asn Gly Phe
50 55 60

Ile Tyr Cys Asn Asp Arg Gly Leu Thr Ser Ile Pro Ala Asp Ile Pro
65 70 75 80

Asp Asp Ala Thr Thr Leu Tyr Leu Gln Asn Asn Gln Ile Asn Asn Ala
85 90 95

Gly Ile Pro Gln Asp Leu Lys Thr Lys Val Asn Val Gln Val Ile Tyr
100 105 110

Leu Tyr Glu Asn Asp Leu Asp Glu Phe Pro Ile Asn Leu Pro Arg Ser
115 120 125

Leu Arg Glu Leu His Leu Gln Asp Asn Asn Val Arg Thr Ile Ala Arg
130 135 140

Asp Ser Leu Ala Arg Ile Pro Leu Leu Glu Lys Leu His Leu Asp Asp
145 150 155 160

Asn Ser Val Ser Thr Val Ser Ile Glu Glu Asp Ala Phe Ala Asp Ser
165 170 175

Lys Gln Leu Lys Leu Leu Phe Leu Ser Arg Asn His Leu Ser Ser Ile
180 185 190

Pro Ser Gly Leu Pro His Thr Leu Glu Glu Leu Arg Leu Asp Asp Asn
195 200 205

Arg Ile Ser Thr Ile Pro Leu His Ala Phe Lys Gly Leu Asn Ser Leu
210 215 220

Arg Arg Leu Val Leu Asp Gly Asn Leu Leu Ala Asn Gln Arg Ile Ala
225 230 235 240

Asp Asp Thr Phe Ser Arg Leu Gln Asn Leu Thr Glu Leu Ser Leu Val
245 250 255

Arg Asn Ser Leu Ala Ala Pro Pro Leu Asn Leu Pro Ser Ala His Leu

260	265	270
Gln Lys Leu Tyr Leu Gln Asp Asn Ala Ile Ser His Ile Pro Tyr Asn		
275	280	285
Thr Leu Ala Lys Met Arg Glu Leu Glu Arg Leu Asp Leu Ser Asn Asn		
290	295	300
Asn Leu Thr Thr Leu Pro Arg Gly Leu Phe Asp Asp Leu Gly Asn Leu		
305	310	315
Ala Gln Leu Leu Leu Arg Asn Asn Pro Trp Phe Cys Gly Cys Asn Leu		
325	330	335
Met Trp Leu Arg Asp Trp Val Lys Ala Arg Ala Ala Val Val Asn Val		
340	345	350
Arg Gly Leu Met Cys Gln Gly Pro Glu Lys Val Arg Gly Met Ala Ile		
355	360	365
Lys Asp Ile Thr Ser Glu Met Asp Glu Cys Phe Glu Thr Gly Pro Gln		
370	375	380
Gly Gly Val Ala Asn Ala Ala Ala Lys Thr Thr Ala Ser Asn His Ala		
385	390	395
Ser Ala Thr Thr Pro Gln Gly Ser Leu Phe Thr Leu Lys Ala Lys Arg		
405	410	415
Pro Gly Leu Arg Leu Pro Asp Ser Asn Ile Asp Tyr Pro Met Ala Thr		
420	425	430
Gly Asp Gly Ala Lys Thr Leu Ala Ile His Val Lys Ala Leu Thr Ala		
435	440	445
Asp Ser Ile Arg Ile Thr Trp Lys Ala Thr Leu Pro Ala Ser Ser Phe		
450	455	460
Arg Leu Ser Trp Leu Arg Leu Gly His Ser Pro Ala Val Gly Ser Ile		
465	470	475
Thr Glu Thr Leu Val Gln Gly Asp Lys Thr Glu Tyr Leu Leu Thr Ala		
485	490	495
Leu Glu Pro Lys Ser Thr Tyr Ile Ile Cys Met Val Thr Met Glu Thr		
500	505	510
Ser Asn Ala Tyr Val Ala Asp Glu Thr Pro Val Cys Ala Lys Ala Glu		
515	520	525
Thr Ala Asp Ser Tyr Gly Pro Thr Thr Leu Asn Gln Glu Gln Asn		
530	535	540
Ala Gly Pro Met Ala Ser Leu Pro Leu Ala Gly Ile Ile Gly Gly Ala		
545	550	555
Val Ala Leu Val Phe Leu Phe Leu Val Leu Gly Ala Ile Cys Trp Tyr		

565

570

575

Val His Gln Ala Gly Glu Leu Leu Thr Arg Glu Arg Ala Tyr Asn Arg
580 585 590

Gly Ser Arg Glu Lys Asp Asp Tyr Met Glu Ser Gly Thr Lys Lys Asp
595 600 605

Asn Ser Ile Leu Glu Ile Arg Gly Pro Gly Leu Gln Met Leu Pro Ile
610 615 620

Asn Pro Tyr Arg Ala Lys Glu Glu Tyr Val Val His Thr Ile Phe Pro
625 630 635 640

Ser Asn Gly Ser Ser Leu Cys Lys Ala Thr His Thr Ile Gly Tyr Gly
645 650 655

Thr Thr Arg Gly Tyr Arg Asp Gly Gly Ile Pro Asp Ile Asp Tyr Ser
660 665 670

Tyr Thr

<210> 61
<211> 246
<212> PRT
<213> Homo sapiens

<400> 61
Pro Met Ala Thr Gly Asp Gly Ala Lys Thr Leu Ala Ile His Val Lys
1 5 10 15

Ala Leu Thr Ala Asp Ser Ile Arg Ile Thr Trp Lys Ala Thr Leu Pro
20 25 30

Ala Ser Ser Phe Arg Leu Ser Trp Leu Arg Leu Gly His Ser Pro Ala
35 40 45

Val Gly Ser Ile Thr Glu Thr Leu Val Gln Gly Asp Lys Thr Glu Tyr
50 55 60

Leu Leu Thr Ala Leu Glu Pro Lys Ser Thr Tyr Ile Ile Cys Met Val
65 70 75 80

Thr Met Glu Thr Ser Asn Ala Tyr Val Ala Asp Glu Thr Pro Val Cys
85 90 95

Ala Lys Ala Glu Thr Ala Asp Ser Tyr Gly Pro Thr Thr Leu Asn
100 105 110

Gln Glu Gln Asn Ala Gly Pro Met Ala Ser Leu Pro Leu Ala Gly Ile
115 120 125

Ile Gly Gly Ala Val Ala Leu Val Phe Leu Phe Leu Val Leu Gly Ala
130 135 140

Ile Cys Trp Tyr Val His Gln Ala Gly Glu Leu Leu Thr Arg Glu Arg
 145 150 155 160
 Ala Tyr Asn Arg Gly Ser Arg Lys Lys Asp Asp Tyr Met Glu Ser Gly
 165 170 175
 Thr Lys Lys Asp Asn Ser Ile Leu Glu Ile Arg Gly Pro Gly Leu Gln
 180 185 190
 Met Leu Pro Ile Asn Pro Tyr Arg Ala Lys Glu Glu Tyr Val Val His
 195 200 205
 Thr Ile Phe Pro Ser Asn Gly Ser Ser Leu Cys Lys Ala Thr His Thr
 210 215 220
 Ile Gly Tyr Gly Thr Thr Arg Gly Tyr Arg Asp Gly Gly Ile Pro Asp
 225 230 235 240
 Ile Asp Tyr Ser Tyr Thr
 245

<210> 62
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 62
 Gly Cys Gly Cys Gly Cys Gly Cys Gly Ala Ala Gly Thr Gly Ala
 1 5 10 15
 Ala Thr Thr Thr Gly Cys Thr Gly Gly Ala Cys Ala Cys Gly Thr Cys
 20 25 30
 Gly Ala Cys Cys Ala Thr Cys Cys Ala Cys Gly Gly Gly Ala Cys
 35 40 45
 Thr Gly Gly Gly Cys Thr Gly Gly Cys Thr Cys Ala Cys Gly Thr
 50 55 60
 Ala Thr Cys Cys Gly Gly Cys Thr Cys Ala Thr Gly Gly Thr Gly
 65 70 75 80
 Gly Gly Ala Cys Thr Cys Cys Ala Thr Cys Ala Ala Cys Gly Ala Gly
 85 90 95
 Gly Thr Gly Ala Cys Gly Ala Gly Thr Cys Cys Thr Thr Cys Cys
 100 105 110
 Ala Gly Cys Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Gly Thr Ala
 115 120 125
 Cys Cys Ala Gly Gly Thr Thr Gly Cys Ala Ala Cys Gly Thr Cys
 130 135 140
 Ala Thr Gly Ala Gly Cys Cys Cys Ala Ala Cys Cys Ala Gly Ala
 145 150 155 160

Ala Cys Ala Ala Cys Thr Gly Gly Cys Thr Gly Cys Cys Ala Cys
165 170 175

Gly Ala Gly Cys Thr Gly Gly Thr Cys Cys Cys Cys Cys Gly Ala
180 185 190

Gly Ala Cys Gly Gly Cys Gly Cys Cys Cys Gly Cys Gly Cys Gly
195 200 205

Thr Cys Thr Ala Thr Gly Cys Thr Gly Ala Gly Ala Thr Cys Ala Ala
210 215 220

Gly Thr Thr Thr Ala Cys Cys Cys Thr Gly Cys Gly Cys Gly Ala Cys
225 230 235 240

Thr Gly Cys Ala Ala Cys Ala Gly Cys Ala Thr Gly Cys Cys Thr Gly
245 250 255

Gly Thr Gly Thr Gly Cys Thr Gly Gly Cys Ala Cys Cys Thr Gly
260 265 270

Cys Ala Ala Gly Gly Ala Gly Ala Cys Cys Thr Thr Cys Ala Ala Cys
275 280 285

Cys Thr Cys Thr Ala Cys Thr Ala Cys Cys Thr Gly Gly Ala Gly Thr
290 295 300

Cys Gly Gly Ala Cys Cys Gly Cys Gly Ala Cys Cys Thr Gly Gly
305 310 315 320

Gly Gly Cys Cys Ala Gly Cys Ala Cys Ala Ala Gly Ala Ala
325 330 335

Ala Gly Cys Cys Ala Gly Thr Thr Cys Cys Thr Cys Ala Ala Ala
340 345 350

Thr Cys Gly Ala Cys Ala Cys Cys Ala Thr Thr Gly Cys Gly Gly Cys
355 360 365

Cys Gly Ala Cys Gly Ala Gly Ala Cys Thr Thr Cys Ala Cys Ala
370 375 380

Gly Gly Thr Gly Cys Cys Gly Ala Cys Cys Thr Thr Gly Gly Thr Gly
385 390 395 400

Thr Gly Cys Gly Gly Cys Gly Thr Cys Thr Cys Ala Ala Gly Cys Thr
405 410 415

Cys Ala Ala Cys Ala Cys Gly Gly Ala Gly Gly Thr Gly Cys Gly Cys
420 425 430

Ala Gly Thr Gly Thr Gly Gly Thr Cys Cys Cys Cys Thr Cys Ala
435 440 445

Gly Cys Ala Ala Gly Cys Gly Cys Gly Cys Thr Thr Cys Thr Ala
450 455 460

Cys Cys Thr Gly Gly Cys Cys Thr Thr Cys Cys Ala Gly Gly Ala Cys
465 470 475 480

Ala Thr Ala Gly Gly Thr Gly Cys Cys Thr Gly Cys Cys Thr Gly Gly
485 490 495

Cys Cys Ala Thr Cys Cys Thr Cys Thr Cys Thr Cys Cys Gly
500 505 510

Cys Ala Thr Cys Thr Ala Cys Thr Ala Thr Ala Ala Gly Ala Ala Gly
515 520 525

Thr Gly Cys Cys Cys Thr Gly Cys Cys Ala Thr Gly Gly Thr Gly Cys
530 535 540

Gly Cys Ala Ala Thr Cys Thr Gly Gly Cys Thr Gly Cys Cys Thr Thr
545 550 555 560

Cys Thr Cys Gly Gly Ala Gly Gly Cys Ala Gly Thr Gly Ala Cys Gly
565 570 575

Gly Gly Gly Cys Cys Gly Ala Cys Thr Cys Gly Thr Cys Cys Thr
580 585 590

Cys Ala Cys Thr Gly Gly Thr Gly Gly Ala Gly Gly Thr Gly Ala Gly
595 600 605

Gly Gly Gly Cys Cys Ala Gly Thr Gly Cys Gly Thr Gly Cys Gly Gly
610 615 620

Cys Ala Cys Thr Cys Ala Gly Ala Gly Gly Cys Gly Gly Gly
625 630 635 640

Ala Cys Ala Cys Ala Cys Cys Ala Ala Gly Ala Thr Gly Thr Ala
645 650 655

Cys Thr Gly Cys Ala Gly Cys Gly Cys Gly Gly Ala Gly Gly Cys
660 665 670

Gly Ala Gly Thr Gly Gly Cys Thr Cys Gly Thr Gly Cys Cys Ala
675 680 685

Thr Cys Gly Gly Cys Ala Ala Ala Thr Gly Cys Gly Thr Gly Thr Gly
690 695 700

Cys Ala Gly Thr Gly Cys Cys Gly Gly Cys Thr Ala Cys Gly Ala Gly
705 710 715 720

Gly Ala Gly Cys Gly Gly Cys Gly Gly Ala Thr Gly Cys Cys Thr
725 730 735

Gly Thr Gly Thr Gly Gly Cys Cys Thr Gly Thr Gly Ala Gly Cys Thr
740 745 750

Gly Gly Gly Cys Thr Thr Cys Thr Ala Cys Ala Ala Gly Thr Cys Ala
755 760 765

Gly Cys Cys Cys Cys Thr Gly Gly Gly Ala Cys Cys Ala Gly Cys
 770 775 780

Thr Gly Thr Gly Thr Gly Cys Cys Cys Gly Cys Thr Gly Cys Cys Cys
 785 790 795 800

Thr Cys Cys Cys Cys Ala Cys Ala Gly Cys Cys Ala Cys Thr Cys Cys
 805 810 815

Gly Cys Ala Gly Cys Thr Cys Cys Ala Gly Cys Cys Gly Cys Cys Cys
 820 825 830

Ala Ala Gly Cys Cys Thr Gly Cys Cys Ala Cys Thr Gly Thr Gly Ala
 835 840 845

Cys Cys Thr Cys Ala Gly Cys Thr Ala Cys Thr Ala Cys Cys Gly Thr
 850 855 860

Gly Cys Ala Gly Cys Cys Cys Thr Gly Gly Ala Cys Cys Cys Gly Cys
 865 870 875 880

Cys Gly Thr Cys Cys Thr Cys Ala Gly Cys Cys Cys Thr Gly Cys Ala Cys
 885 890 895

Cys Cys Gly Gly Cys Cys Ala Cys Cys Cys Thr Cys Gly Gly Cys Ala
 900 905 910

Cys Cys Ala Gly Thr Gly Ala Ala Cys Cys Thr Gly Ala Thr Cys Thr
 915 920 925

Cys Cys Ala Gly Thr Gly Thr Gly Ala Ala Thr Gly Gly Ala Cys
 930 935 940

Ala Thr Cys Ala Gly Thr Gly Ala Cys Thr Cys Thr Gly Gly Ala Gly
 945 950 955 960

Thr Gly Gly Cys Cys Cys Cys Thr Cys Cys Cys Cys Thr Gly Gly
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 1010 1015 1020

<210> 63
 <211> 338
 <212> PRT
 <213> Gallus gallus

<400> 63
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Val Asp Glu Ser Phe Gln Pro Ile His	Thr Tyr Gln Val Cys Asn Val		
35	40	45	
Met Ser Pro Asn Gln Asn Asn Trp Leu	Arg Thr Ser Trp Val Pro Arg		
50	55	60	
Asp Gly Ala Arg Arg Val Tyr Ala Glu	Ile Lys Phe Thr Leu Arg Asp		
65	70	75	80
Cys Asn Ser Met Pro Gly Val Leu Gly	Thr Cys Lys Glu Thr Phe Asn		
85	90	95	
Leu Tyr Tyr Leu Glu Ser Asp Arg Asp	Leu Gly Ala Ser Thr Gln Glu		
100	105	110	
Ser Gln Phe Leu Lys Ile Asp Thr Ile	Ala Ala Asp Glu Ser Phe Thr		
115	120	125	
Gly Ala Asp Leu Gly Val Arg Arg	Leu Lys Leu Asn Thr Glu Val Arg		
130	135	140	
Ser Val Gly Pro Leu Ser Lys Arg	Gly Phe Tyr Leu Ala Phe Gln Asp		
145	150	155	160
Ile Gly Ala Cys Leu Ala Ile Leu	Ser Leu Arg Ile Tyr Tyr Lys Lys		
165	170	175	
Cys Pro Ala Met Val Arg Asn Leu	Ala Ala Phe Ser Glu Ala Val Thr		
180	185	190	
Gly Ala Asp Ser Ser Ser Leu Val	Glu Val Arg Gly Gln Cys Val Arg		
195	200	205	
His Ser Glu Glu Arg Asp Thr Pro	Lys Met Tyr Cys Ser Ala Glu Gly		
210	215	220	
Glu Trp Leu Val Pro Ile Gly Lys	Cys Val Cys Ser Ala Gly Tyr Glu		
225	230	235	240
Glu Arg Arg Asp Ala Cys Val Ala	Cys Glu Leu Gly Phe Tyr Lys Ser		
245	250	255	
Ala Pro Gly Asp Gln Leu Cys Ala	Arg Cys Pro Pro His Ser His Ser		
260	265	270	
Ala Ala Pro Ala Ala Gln Ala	Cys His Cys Asp Leu Ser Tyr Tyr Arg		
275	280	285	
Ala Ala Leu Asp Pro Pro Ser Ser	Ala Cys Thr Arg Pro Pro Ser Ala		
290	295	300	
Pro Val Asn Leu Ile Ser Ser Val	Asn Gly Thr Ser Val Thr Leu Glu		

305	310	315	320
Trp Ala Pro Pro Leu Asp Pro Gly Gly Arg Ser Asp Ile Thr Tyr Asn			
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Ala Val Cys Arg Arg Cys Pro Trp Ala Leu Ser Arg Cys Glu Ala Cys			
340		345	350
Gly Ser Gly Thr Arg Phe Val Pro Gln Gln Thr Ser Leu Val Gln Ala			
355	360	365	
Ser Leu Leu Val Ala Asn Leu Leu Ala His Met Asn Tyr Ser Phe Trp			
370	375	380	
Ile Glu Ala Val Asn Gly Val Ser Asp Leu Ser Pro Glu Pro Arg Arg			
385	390	395	400
Ala Ala Val Val Asn Ile Thr Thr Asn Gln Ala Ala Pro Ser Gln Val			
405		410	415
Val Val Ile Arg Gln Glu Arg Ala Gly Gln Thr Ser Val Ser Leu Leu			
420		425	430
Trp Gln Glu Pro Glu Gln Pro Asn Gly Ile Ile Leu Glu Tyr Glu Ile			
435		440	445
Lys Tyr Tyr Glu Lys Asp Lys Glu Met Gln Ser Tyr Ser Thr Leu Lys			
450		455	460
Ala Val Thr Thr Arg Ala Thr Val Ser Gly Leu Lys Pro Gly Thr Arg			
465		470	475
Tyr Val Phe Gln Val Arg Ala Arg Thr Ser Ala Gly Cys Gly Arg Phe			
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Ser Gln Ala Met Glu Val Glu Thr Gly Lys Pro Arg Pro Arg Tyr Asp			
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Thr Arg Thr			
515			

<210> 64
<211> 326
<212> PRT
<213> Bos taurus

<400> 64			
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35		40	45

Ala Cys Thr Gly Thr Cys Ala Cys Gly Gly Cys Cys Ala Cys Cys Gly
 50 55 60

Thr Thr Gly Thr Gly Ala Thr Gly Ala Cys Cys Ala Cys Gly Gly Cys
 65 70 75 80

Cys Ala Cys Cys Ala Thr Gly Gly Ala Cys Cys Thr Gly Cys Gly Gly
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Gly Ala Cys Thr Gly Gly Cys Thr Gly Thr Thr Cys Cys Thr Cys Thr
 100 105 110

Gly Cys Thr Ala Cys Gly Gly Cys Thr Cys Ala Thr Cys Gly Cys
 115 120 125

Cys Thr Thr Cys Cys Thr Gly Ala Cys Gly Gly Ala Gly Gly Thr Cys
 130 135 140

Ala Thr Cys Gly Ala Cys Ala Gly Cys Ala Cys Cys Ala Cys Cys Thr
 145 150 155 160

Gly Cys Cys Cys Cys Thr Cys Gly Gly Thr Gly Thr Gly Cys Cys Gly
 165 170 175

Cys Thr Gly Cys Gly Ala Cys Ala Ala Cys Gly Gly Cys Thr Thr Cys
 180 185 190

Ala Thr Cys Thr Ala Cys Thr Gly Cys Ala Ala Cys Gly Ala Cys Cys
 195 200 205

Gly Gly Gly Ala Cys Thr Cys Ala Cys Ala Thr Cys Cys Ala Thr
 210 215 220

Cys Cys Cys Cys Gly Cys Ala Gly Ala Thr Ala Thr Cys Cys Cys Thr
 225 230 235 240

Gly Ala Thr Gly Ala Thr Gly Cys Cys Ala Cys Cys Ala Cys Cys Cys
 245 250 255

Thr Cys Thr Ala Cys Cys Thr Gly Cys Ala Gly Ala Ala Cys Ala Ala
 260 265 270

Cys Cys Ala Gly Ala Thr Cys Ala Ala Cys Ala Ala Cys Gly Cys Cys
 275 280 285

Gly Gly Cys Ala Thr Cys Cys Cys Cys Cys Ala Gly Gly Ala Cys Cys
 290 295 300

Thr Cys Ala Ala Gly Ala Cys Cys Ala Ala Gly Gly Thr Cys Ala Ala
 305 310 315 320

Cys Gly Thr Gly Cys Ala Gly Gly Thr Cys Ala Thr Cys Thr Ala Cys
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Cys Thr Ala Thr Ala Cys Gly Ala Gly Ala Ala Thr Gly Ala Cys Cys
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Thr Gly Gly Ala Thr Gly Ala Gly Thr Thr Cys Cys Cys Cys Ala Thr
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 Cys Ala Ala Cys Cys Thr Gly Cys Cys Cys Cys Gly Cys Thr Cys Cys
 370 375 380
 Cys Thr Cys Cys Gly Gly Ala Gly Cys Thr Gly Cys Ala Cys Cys
 385 390 395 400
 Thr Gly Cys Ala Gly Gly Ala Cys Ala Ala Cys Ala Ala Thr Gly Thr
 405 410 415
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 420 425 430
 Gly Ala Cys Thr Cys Gly Cys Thr Gly Gly Cys Cys Cys Gly Cys Ala
 435 440 445
 Thr Cys Cys Cys Gly Cys Thr Gly Cys Thr Gly Ala Gly Ala Ala
 450 455 460
 Gly Cys Thr Gly Cys Ala Cys Cys Thr Gly Gly Ala Thr Gly Ala Cys
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 Ala Ala Cys Thr Cys Cys Gly Thr Gly Thr Cys Cys Ala Cys Cys Gly
 485 490 495
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 515 520 525
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 530 535 540
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 545 550 555 560
 Cys Cys Ala Cys Cys Thr Gly Ala Gly Cys Ala Gly Cys Ala Thr Cys
 565 570 575
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 580 585 590
 Ala Cys Ala Cys Gly Cys Thr Gly Gly Ala Gly Gly Ala Gly Cys Thr
 595 600 605
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 625 630 635 640
 Cys Gly Cys Thr Gly Cys Ala Thr Gly Cys Cys Thr Thr Cys Ala Ala
 645 650 655

Gly Gly Gly Cys Cys Thr Cys Ala Ala Cys Ala Gly Cys Cys Thr Gly
660 665 670

Cys Gly Gly Cys Gly Cys Cys Thr Gly Gly Thr Gly Cys Thr Gly Gly
675 680 685

Ala Cys Gly Gly Thr Ala Ala Cys Cys Thr Gly Cys Thr Gly Gly Cys
690 695 700

Cys Ala Ala Cys Cys Ala Gly Cys Gly Cys Ala Thr Cys Gly Cys Cys
705 710 715 720

Gly Ala Cys Gly Ala Cys Ala Cys Cys Thr Thr Cys Ala Gly Cys Cys
725 730 735

Gly Cys Cys Thr Ala Cys Ala Gly Ala Ala Cys Cys Thr Cys Ala Cys
740 745 750

Ala Gly Ala Gly Cys Thr Cys Thr Cys Gly Cys Thr Gly Gly Thr Gly
755 760 765

Cys Gly Cys Ala Ala Thr Thr Cys Gly Cys Thr Gly Gly Cys Cys Gly
770 775 780

Cys Gly Cys Cys Ala Cys Cys Cys Cys Thr Cys Thr Ala Cys Cys Thr
785 790 795 800

Gly Cys Ala Gly Gly Ala Cys Ala Ala Thr Gly Cys Cys Ala Thr Cys
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Ala Gly Cys Cys Ala Cys Ala Thr Cys Cys Cys Cys Thr Ala Cys Ala
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835 840 845

Gly Cys Gly Thr Gly Ala Gly Cys Thr Gly Gly Ala Gly Cys Gly Gly
850 855 860

Cys Thr Gly Gly Ala Cys Cys Thr Gly Thr Cys Cys Ala Ala Cys Ala
865 870 875 880

Ala Cys Ala Ala Cys Cys Thr Gly Ala Cys Cys Ala Cys Gly Cys Thr
885 890 895

Gly Cys Cys Cys Gly Cys Gly Gly Cys Cys Thr Gly Thr Thr Cys
900 905 910

Gly Ala Cys Gly Ala Cys Cys Thr Gly Gly Gly Ala Ala Cys Cys
915 920 925

Thr Gly Gly Cys Cys Cys Ala Gly Cys Thr Gly Cys Thr Gly Cys Thr
930 935 940

Cys Ala Gly Gly Ala Ala Cys Ala Ala Cys Cys Cys Thr Thr Gly Gly
945 950 955 960

Thr Thr Thr Thr Gly Thr Gly Gly Cys Thr Gly Cys Ala Ala Cys Cys
 965 970 975
 Thr Cys Ala Thr Gly Thr Gly Gly Cys Thr Gly Cys Gly Gly Ala
 980 985 990
 Cys Thr Gly Gly Thr Gly Ala Ala Gly Gly Cys Ala Cys Gly Gly
 995 1000 1005
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 1010 1015 1020
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 Cys Cys Ala Gly Gly Cys Cys Cys Thr Gly Ala Gly Ala Ala Gly
 1045 1050 1055
 Gly Thr Cys Cys Gly Gly Cys Ala Thr Gly Gly Cys Cys Ala
 1060 1065 1070
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 1075 1080 1085
 Cys Gly Ala Gly Gly Thr Gly Gly Ala Gly Thr Gly Thr Thr
 1090 1095 1100
 Thr Thr Gly Ala Gly Ala Cys Gly Gly Cys Cys Gly Cys
 1105 1110 1115 1120
 Ala Gly Gly Gly Cys Gly Cys Gly Thr Gly Gly Cys Cys Ala Ala
 1125 1130 1135
 Thr Gly Cys Gly Cys Thr Gly Cys Cys Ala Ala Gly Ala Cys Cys
 1140 1145 1150
 Ala Cys Gly Gly Cys Cys Ala Gly Cys Ala Ala Cys Cys Ala Cys Gly
 1155 1160 1165
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 1170 1175 1180
 Cys Cys Ala Gly Gly Thr Thr Cys Cys Cys Thr Gly Thr Thr Thr
 1185 1190 1195 1200
 Ala Cys Cys Cys Thr Cys Ala Ala Gly Gly Cys Cys Ala Ala Ala
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 Gly Gly Cys Cys Ala Gly Gly Cys Thr Gly Cys Gly Cys Cys Thr
 1220 1225 1230
 Cys Cys Cys Cys Gly Ala Cys Thr Cys Cys Ala Ala Cys Ala Thr Thr
 1235 1240 1245
 Gly Ala Cys Thr Ala Cys Cys Cys Ala Thr Gly Gly Cys Cys Ala
 1250 1255 1260

Cys Gly Gly Gly Thr Gly Ala Thr Gly Gly Cys Cys Cys Ala Ala
1265 1270 1275 1280

Gly Ala Cys Cys Cys Thr Gly Gly Cys Cys Ala Thr Cys Cys Ala Cys
1285 1290 1295

Gly Thr Gly Ala Ala Gly Gly Cys Cys Thr Gly Ala Cys Gly Gly
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Cys Ala Gly Ala Cys Thr Cys Cys Ala Thr Cys Cys Gly Cys Ala Thr
1315 1320 1325

Cys Ala Cys Gly Thr Gly Gly Ala Ala Gly Gly Cys Cys Ala Cys Gly
1330 1335 1340

Cys Thr Cys Cys Cys Cys Gly Cys Cys Thr Cys Cys Thr Cys Thr Thr
1345 1350 1355 1360

Thr Cys Cys Gly Gly Cys Thr Cys Ala Gly Thr Thr Gly Gly Cys Thr
1365 1370 1375

Gly Cys Gly Cys Cys Thr Gly Gly Cys Cys Ala Cys Ala Gly Cys
1380 1385 1390

Cys Cys Ala Gly Cys Cys Gly Thr Gly Gly Cys Thr Cys Cys Ala
1395 1400 1405

Thr Cys Ala Cys Gly Gly Ala Gly Ala Cys Cys Thr Thr Gly Gly Thr
1410 1415 1420

Gly Cys Ala Gly Gly Gly Gly Ala Cys Ala Ala Gly Ala Cys Ala
1425 1430 1435 1440

Gly Ala Gly Thr Ala Cys Cys Thr Gly Cys Thr Gly Ala Cys Ala Gly
1445 1450 1455

Cys Cys Cys Thr Gly Gly Ala Gly Cys Cys Cys Ala Ala Gly Thr Cys
1460 1465 1470

Cys Ala Cys Cys Thr Ala Cys Ala Thr Cys Ala Thr Cys Thr Gly Cys
1475 1480 1485

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1490 1495 1500

Cys Cys Ala Gly Cys Ala Ala Thr Gly Cys Cys Thr Ala Cys Gly Thr
1505 1510 1515 1520

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1525 1530 1535

Gly Thr Gly Thr Gly Cys Cys Ala Ala Gly Gly Cys Ala Gly
1540 1545 1550

Ala Gly Ala Cys Ala Gly Cys Cys Gly Ala Cys Ala Gly Cys Thr Ala
1555 1560 1565

Thr Gly Gly Cys Cys Cys Thr Ala Cys Cys Ala Cys Cys Ala Cys Ala
 1570 1575 1580

Cys Thr Cys Ala Ala Cys Cys Ala Gly Gly Ala Gly Cys Ala Gly Ala
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Gly Ala Gly Cys Cys Thr Gly Cys Cys Cys Thr Gly Gly Cys Gly
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Gly Gly Cys Ala Thr Cys Ala Thr Cys Gly Gly Cys Gly Gly Gly
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Cys Ala Gly Thr Gly Gly Cys Thr Cys Thr Gly Gly Thr Cys Thr Thr
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Cys Cys Thr Cys Thr Thr Cys Cys Thr Gly Gly Thr Cys Cys Thr Gly
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 1685 1690 1695

Ala Cys Gly Thr Gly Cys Ala Cys Cys Ala Gly Gly Cys Thr Gly Gly
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Cys Gly Ala Gly Cys Thr Gly Cys Thr Gly Ala Cys Cys Cys Gly Gly
 1715 1720 1725

Gly Ala Gly Ala Gly Gly Cys Cys Thr Ala Cys Ala Ala Cys Cys
 1730 1735 1740

Gly Gly Gly Cys Ala Gly Cys Ala Gly Gly Ala Ala Ala Ala Ala
 1745 1750 1755 1760

Gly Gly Ala Thr Gly Ala Cys Thr Ala Thr Ala Thr Gly Gly Ala Gly
 1765 1770 1775

Thr Cys Ala Gly Gly Ala Cys Cys Ala Ala Gly Ala Ala Gly Gly
 1780 1785 1790

Ala Thr Ala Ala Cys Thr Cys Cys Ala Thr Cys Cys Thr Gly Gly Ala
 1795 1800 1805

Ala Ala Thr Cys Cys Gly Cys Gly Cys Cys Cys Thr Gly Gly Gly
 1810 1815 1820

Cys Thr Gly Cys Ala Gly Ala Thr Gly Cys Thr Gly Cys Cys Ala
 1825 1830 1835 1840

Thr Cys Ala Ala Cys Cys Cys Gly Thr Ala Cys Cys Gly Cys Gly Cys
 1845 1850 1855

Cys Ala Ala Ala Gly Ala Ala Gly Thr Ala Cys Gly Thr Gly
 1860 1865 1870

Gly Thr Cys Cys Ala Cys Ala Cys Thr Ala Thr Cys Thr Thr Cys Cys
1875 1880 1885

Cys Cys Thr Cys Cys Ala Ala Cys Gly Gly Cys Ala Gly Cys Ala Gly
1890 1895 1900

Cys Cys Thr Cys Thr Gly Cys Ala Ala Gly Gly Cys Cys Ala Cys Ala
1905 1910 1915 1920

Cys Ala Cys Ala Cys Cys Ala Thr Thr Gly Gly Cys Thr Ala Cys Gly
1925 1930 1935

Gly Cys Ala Cys Cys Ala Cys Gly Cys Gly Gly Gly Cys Thr Ala
1940 1945 1950

Cys Cys Gly Gly Ala Cys Gly Gly Cys Gly Cys Ala Thr Cys
1955 1960 1965

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1970 1975 1980

Cys Cys Thr Ala Cys Ala Cys Ala
1985 1990

<210> 65

<211> 1020

<212> DNA

<213> Homo sapiens

<400> 65

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cacacgtacc aggtttgcaa cgtcatgagc cccaaaccaga acaactggct ggcacgagc 180
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ccaccctcgg caccagtcaa cctgatctcc agtgtgaatg ggacatcaact gactctggag 960
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<210> 66

<211> 515

<212> PRT

<213> Homo sapiens

<400> 66

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			20						25					30	
Val	Asp	Glu	Ser	Phe	Gln	Pro	Ile	His	Thr	Tyr	Gln	Val	Cys	Asn	Val
	35					40					45				
Met	Ser	Pro	Asn	Gln	Asn	Asn	Trp	Leu	Arg	Thr	Ser	Trp	Val	Pro	Arg
	50				55					60					
Asp	Gly	Ala	Arg	Arg	Val	Tyr	Ala	Glu	Ile	Lys	Phe	Thr	Leu	Arg	Asp
	65				70				75			80			
Cys	Asn	Ser	Met	Pro	Gly	Val	Leu	Gly	Thr	Cys	Lys	Glu	Thr	Phe	Asn
	85						90				95				
Leu	Tyr	Tyr	Leu	Glu	Ser	Asp	Arg	Asp	Leu	Gly	Ala	Ser	Thr	Gln	Glu
	100					105					110				
Ser	Gln	Phe	Leu	Lys	Ile	Asp	Thr	Ile	Ala	Ala	Asp	Glu	Ser	Phe	Thr
	115					120				125					
Gly	Ala	Asp	Leu	Gly	Val	Arg	Arg	Leu	Lys	Leu	Asn	Thr	Glu	Val	Arg
	130				135				140						
Ser	Val	Gly	Pro	Leu	Ser	Lys	Arg	Gly	Phe	Tyr	Leu	Ala	Phe	Gln	Asp
	145				150				155			160			
Ile	Gly	Ala	Cys	Leu	Ala	Ile	Leu	Ser	Leu	Arg	Ile	Tyr	Tyr	Lys	Lys
	165						170				175				
Cys	Pro	Ala	Met	Val	Arg	Asn	Leu	Ala	Ala	Phe	Ser	Glu	Ala	Val	Thr
	180					185				190					
Gly	Ala	Asp	Ser	Ser	Ser	Leu	Val	Glu	Val	Arg	Gly	Gln	Cys	Val	Arg
	195					200				205					
His	Ser	Glu	Glu	Arg	Asp	Thr	Pro	Lys	Met	Tyr	Cys	Ser	Ala	Glu	Gly
	210					215				220					
Glu	Trp	Leu	Val	Pro	Ile	Gly	Lys	Cys	Val	Cys	Ser	Ala	Gly	Tyr	Glu
	225					230			235			240			
Glu	Arg	Arg	Asp	Ala	Cys	Val	Ala	Cys	Glu	Leu	Gly	Phe	Tyr	Lys	Ser
	245						250				255				
Ala	Pro	Gly	Asp	Gln	Leu	Cys	Ala	Arg	Cys	Pro	Pro	His	Ser	His	Ser
	260						265				270				
Ala	Ala	Pro	Ala	Ala	Gln	Ala	Cys	His	Cys	Asp	Leu	Ser	Tyr	Tyr	Arg
	275						280				285				
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	290					295				300					
Pro	Val	Asn	Leu	Ile	Ser	Ser	Val	Asn	Gly	Thr	Ser	Val	Thr	Leu	Glu

305	310	315	320
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Ala Val Cys Arg Arg Cys Pro Trp Ala Leu Ser Arg Cys Glu Ala Cys			
340		345	350
Gly Ser Gly Thr Arg Phe Val Pro Gln Gln Thr Ser Leu Val Gln Ala			
355	360	365	
Ser Leu Leu Val Ala Asn Leu Leu Ala His Met Asn Tyr Ser Phe Trp			
370	375	380	
Ile Glu Ala Val Asn Gly Val Ser Asp Leu Ser Pro Glu Pro Arg Arg			
385	390	395	400
Ala Ala Val Val Asn Ile Thr Thr Asn Gln Ala Ala Pro Ser Gln Val			
405	410	415	
Val Val Ile Arg Gln Glu Arg Ala Gly Gln Thr Ser Val Ser Leu Leu			
420	425	430	
Trp Gln Glu Pro Glu Gln Pro Asn Gly Ile Ile Leu Glu Tyr Glu Ile			
435	440	445	
Lys Tyr Tyr Glu Lys Asp Lys Glu Met Gln Ser Tyr Ser Thr Leu Lys			
450	455	460	
Ala Val Thr Thr Arg Ala Thr Val Ser Gly Leu Lys Pro Gly Thr Arg			
465	470	475	480
Tyr Val Phe Gln Val Arg Ala Arg Thr Ser Ala Gly Cys Gly Arg Phe			
485	490	495	
Ser Gln Ala Met Glu Val Glu Thr Gly Lys Pro Arg Pro Arg Tyr Asp			
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Thr Arg Thr			
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<210> 67
 <211> 1992
 <212> DNA
 <213> Homo sapiens

<400> 67
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 gagtacctgc tgacagccct ggagccaaag tccacctaca tcatctgat ggtcaccatg 1500
 gagaccagca atgcctacgt agctgtatgag acaccctgt gtgccaaggc agagacagcc 1560
 gacagctatg gccattaccac cacactcaac caggagcaga acgctggccc catggcgagc 1620
 ctggccctgg cggcatcat cggcgccccca gtggctctgg tcttcctt cctggctctg 1680
 gggccatct gctggtaatgt gcaccaggct ggcgagctgc tgaccggga gagggcctac 1740
 aaccggggca gcaggaaaaaa ggtatgactat atggagttag ggaccaagaa ggataactcc 1800
 atcctggaaa tcccgcccccc tgggctgcag atgctgccc tcaaccccta cccgcggccaa 1860
 gaagagtacg tggccacac tatctcccc tccaacggca gcagccctg caaggccaca 1920
 cacaccattg gctacggcac cacgcggggc taccgggacg gcggcatccc cgacatagac 1980
 tactcctaca ca 1992

<210> 68
 <211> 664
 <212> PRT
 <213> Homo sapiens

<400> 68			
Met Val Val Ala His Pro Thr Ala Thr Ala Thr Thr Thr Pro Thr Ala			
1	5	10	15
Thr Val Thr Ala Thr Val Val Met Thr Thr Ala Thr Met Asp Leu Arg			
20	25	30	
Asp Trp Leu Phe Leu Cys Tyr Gly Leu Ile Ala Phe Leu Thr Glu Val			
35	40	45	
Ile Asp Ser Thr Thr Cys Pro Ser Val Cys Arg Cys Asp Asn Gly Phe			
50	55	60	
Ile Tyr Cys Asn Asp Arg Gly Leu Thr Ser Ile Pro Ala Asp Ile Pro			
65	70	75	80
Asp Asp Ala Thr Thr Leu Tyr Leu Gln Asn Asn Gln Ile Asn Asn Ala			
85	90	95	
Gly Ile Pro Gln Asp Leu Lys Thr Lys Val Asn Val Gln Val Ile Tyr			
100	105	110	
Leu Tyr Glu Asn Asp Leu Asp Glu Phe Pro Ile Asn Leu Pro Arg Ser			
115	120	125	

Leu Arg Glu Leu His Leu Gln Asp Asn Asn Val Arg Thr Ile Ala Arg
 130 135 140

Asp Ser Leu Ala Arg Ile Pro Leu Leu Glu Lys Leu His Leu Asp Asp
 145 150 155 160

Asn Ser Val Ser Thr Val Ser Ile Glu Glu Asp Ala Phe Ala Asp Ser
 165 170 175

Lys Gln Leu Lys Leu Leu Phe Leu Ser Arg Asn His Leu Ser Ser Ile
 180 185 190

Pro Ser Gly Leu Pro His Thr Leu Glu Glu Leu Arg Leu Asp Asp Asn
 195 200 205

Arg Ile Ser Thr Ile Pro Leu His Ala Phe Lys Gly Leu Asn Ser Leu
 210 215 220

Arg Arg Leu Val Leu Asp Gly Asn Leu Leu Ala Asn Gln Arg Ile Ala
 225 230 235 240

Asp Asp Thr Phe Ser Arg Leu Gln Asn Leu Thr Glu Leu Ser Leu Val
 245 250 255

Arg Asn Ser Leu Ala Ala Pro Pro Leu Tyr Leu Gln Asp Asn Ala Ile
 260 265 270

Ser His Ile Pro Tyr Asn Thr Leu Ala Lys Met Arg Glu Leu Glu Arg
 275 280 285

Leu Asp Leu Ser Asn Asn Leu Thr Thr Leu Pro Arg Gly Leu Phe
 290 295 300

Asp Asp Leu Gly Asn Leu Ala Gln Leu Leu Arg Asn Asn Pro Trp
 305 310 315 320

Phe Cys Gly Cys Asn Leu Met Trp Leu Arg Asp Trp Val Lys Ala Arg
 325 330 335

Ala Ala Val Val Asn Val Arg Gly Leu Met Cys Gln Gly Pro Glu Lys
 340 345 350

Val Arg Gly Met Ala Ile Lys Asp Ile Thr Ser Glu Val Glu Ser Val
 355 360 365

Leu Arg Arg Ala Pro Gln Gly Gly Val Ala Asn Ala Ala Lys Thr
 370 375 380

Thr Ala Ser Asn His Ala Ser Ala Thr Thr Pro Gln Gly Ser Leu Phe
 385 390 395 400

Thr Leu Lys Ala Lys Arg Pro Gly Leu Arg Leu Pro Asp Ser Asn Ile
 405 410 415

Asp Tyr Pro Met Ala Thr Gly Asp Gly Ala Lys Thr Leu Ala Ile His
 420 425 430

Val Lys Ala Leu Thr Ala Asp Ser Ile Arg Ile Thr Trp Lys Ala Thr
 435 440 445

 Leu Pro Ala Ser Ser Phe Arg Leu Ser Trp Leu Arg Leu Gly His Ser
 450 455 460

 Pro Ala Val Gly Ser Ile Thr Glu Thr Leu Val Gln Gly Asp Lys Thr
 465 470 475 480

 Glu Tyr Leu Leu Thr Ala Leu Glu Pro Lys Ser Thr Tyr Ile Ile Cys
 485 490 495

 Met Val Thr Met Glu Thr Ser Asn Ala Tyr Val Ala Asp Glu Thr Pro
 500 505 510

 Val Cys Ala Lys Ala Glu Thr Ala Asp Ser Tyr Gly Pro Thr Thr Thr
 515 520 525

 Leu Asn Gln Glu Gln Asn Ala Gly Pro Met Ala Ser Leu Pro Leu Ala
 530 535 540

 Gly Ile Ile Gly Gly Ala Val Ala Leu Val Phe Leu Phe Leu Val Leu
 545 550 555 560

 Gly Ala Ile Cys Trp Tyr Val His Gln Ala Gly Glu Leu Leu Thr Arg
 565 570 575

 Glu Arg Ala Tyr Asn Arg Gly Ser Arg Lys Lys Asp Asp Tyr Met Glu
 580 585 590

 Ser Gly Thr Lys Lys Asp Asn Ser Ile Leu Glu Ile Arg Gly Pro Gly
 595 600 605

 Leu Gln Met Leu Pro Ile Asn Pro Tyr Arg Ala Lys Glu Glu Tyr Val
 610 615 620

 Val His Thr Ile Phe Pro Ser Asn Gly Ser Ser Leu Cys Lys Ala Thr
 625 630 635 640

 His Thr Ile Gly Tyr Gly Thr Thr Arg Gly Tyr Arg Asp Gly Gly Ile
 645 650 655

 Pro Asp Ile Asp Tyr Ser Tyr Thr
 660

<210> 69
 <211> 26
 <212> DNA
 <213> Homo sapiens

<400> 69
 caacgtgcag gtcatctacc tatacg

26

<210> 70
 <211> 25

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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:oligonucleotide
      primer

<400> 70
gccccgtctca aaacactctc catct                                25

<210> 71
<211> 54
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:oligonucleotide
      primer

<400> 71
Asn Pro Phe Asn Cys Asp Cys Glu Leu Arg Trp Leu Leu Arg Trp Leu
 1           5           10          15

Arg Glu Thr Asn Pro Arg Arg Leu Glu Asp Gln Glu Asp Leu Arg Cys
 20          25          30

Ala Ser Pro Glu Ser Leu Arg Gly Gln Pro Leu Leu Glu Leu Leu Pro
 35          40          45

Ser Asp Phe Ser Cys Pro
 50

<210> 72
<211> 84
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:consensus
      sequence

<400> 72
Pro Ser Ala Pro Thr Asn Leu Thr Val Thr Asp Val Thr Ser Thr Ser
 1           5           10          15

Leu Thr Leu Ser Trp Ser Pro Pro Thr Gly Asn Gly Pro Ile Thr Gly
 20          25          30

Tyr Glu Val Thr Tyr Arg Gln Pro Lys Asn Gly Gly Glu Trp Asn Glu
 35          40          45

Leu Thr Val Pro Gly Thr Thr Ser Tyr Thr Leu Thr Gly Leu Lys
 50          55          60

Pro Gly Thr Glu Tyr Glu Val Arg Val Gln Ala Val Asn Gly Gly Gly

```

65

70

75

80

Gly Pro Glu Ser

<210> 73
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:consensus
sequence

<400> 73
Asn Leu Glu Glu Leu Asp Leu Ser Asn Asn Leu Thr Ser Leu Pro Pro
1 5 10 15

Gly Leu Phe Ser Asn Leu Pro
20

<210> 74
<211> 949
<212> PRT
<213> Homo sapiens

<400> 74
Ala Thr Gly Gly Thr Gly Gly Thr Gly Cys Ala Cys Ala Cys Cys
1 5 10 15

Cys Cys Ala Cys Cys Gly Cys Cys Ala Cys Thr Gly Cys Cys Ala Cys
20 25 30

Cys Ala Cys Cys Ala Cys Gly Cys Cys Cys Ala Cys Thr Gly Cys Cys
35 40 45

Ala Cys Thr Gly Thr Cys Ala Cys Gly Cys Cys Ala Cys Cys Gly
50 55 60

Thr Thr Gly Thr Gly Ala Thr Gly Ala Cys Cys Ala Cys Gly Gly Cys
65 70 75 80

Cys Ala Cys Cys Ala Thr Gly Gly Ala Cys Cys Thr Gly Cys Gly Gly
85 90 95

Gly Ala Cys Thr Gly Gly Cys Thr Gly Thr Thr Cys Cys Thr Cys Thr
100 105 110

Gly Cys Thr Ala Cys Gly Gly Cys Thr Cys Ala Thr Cys Gly Cys
115 120 125

Cys Thr Thr Cys Cys Thr Gly Ala Cys Gly Gly Ala Gly Gly Thr Cys
130 135 140

Ala Thr Cys Gly Ala Cys Ala Gly Cys Ala Cys Cys Ala Cys Cys Thr

145 150 155 160
Gly Cys Cys Cys Cys Thr Cys Gly Gly Thr Gly Thr Gly Cys Cys Gly
165 170 175
Cys Thr Gly Cys Gly Ala Cys Ala Ala Cys Gly Gly Cys Thr Thr Cys
180 185 190
Ala Thr Cys Thr Ala Cys Thr Gly Cys Ala Ala Cys Gly Ala Cys Cys
195 200 205
Gly Gly Gly Ala Cys Thr Cys Ala Cys Ala Thr Cys Cys Ala Thr
210 215 220
Cys Cys Cys Cys Gly Cys Ala Gly Ala Thr Ala Thr Cys Cys Cys Thr
225 230 235 240
Gly Ala Thr Gly Ala Cys Gly Cys Cys Ala Cys Cys Ala Cys Cys Cys
245 250 255
Thr Cys Thr Ala Thr Cys Thr Gly Cys Ala Gly Ala Ala Cys Ala Ala
260 265 270
Cys Cys Ala Gly Ala Thr Cys Ala Ala Cys Ala Ala Cys Gly Cys Thr
275 280 285
Gly Gly Cys Ala Thr Cys Cys Cys Cys Ala Gly Gly Ala Cys Cys
290 295 300
Thr Cys Ala Ala Gly Ala Cys Cys Ala Ala Gly Gly Thr Cys Ala Ala
305 310 315 320
Cys Gly Thr Gly Cys Ala Gly Gly Thr Cys Ala Thr Cys Thr Ala Cys
325 330 335
Cys Thr Ala Thr Ala Cys Gly Ala Gly Ala Ala Thr Gly Ala Cys Cys
340 345 350
Thr Gly Gly Ala Thr Gly Ala Gly Thr Thr Cys Cys Cys Cys Ala Thr
355 360 365
Cys Ala Ala Cys Cys Thr Gly Cys Cys Cys Cys Gly Cys Thr Cys Cys
370 375 380
Cys Thr Cys Cys Gly Gly Ala Gly Cys Thr Gly Cys Ala Cys Cys
385 390 395 400
Thr Gly Cys Ala Gly Gly Ala Cys Ala Ala Cys Ala Ala Thr Gly Thr
405 410 415
Gly Cys Gly Cys Ala Cys Cys Ala Thr Thr Gly Cys Cys Ala Gly Gly
420 425 430
Gly Ala Cys Thr Cys Gly Cys Thr Gly Gly Cys Cys Cys Gly Cys Ala
435 440 445
Thr Cys Cys Cys Gly Cys Thr Gly Cys Thr Gly Gly Ala Gly Ala Ala

450	455	460
Gly Cys Thr Gly Cys Ala Cys Cys Thr Gly Gly Ala Thr Gly Ala Cys		
465	470	475
Ala Ala Cys Thr Cys Cys Gly Thr Gly Thr Cys Cys Ala Cys Cys Gly		
485	490	495
Thr Cys Ala Gly Cys Ala Thr Thr Gly Ala Gly Gly Ala Gly Ala		
500	505	510
Cys Gly Cys Cys Thr Thr Cys Gly Cys Cys Gly Ala Cys Ala Gly Cys		
515	520	525
Ala Ala Ala Cys Ala Gly Cys Thr Cys Ala Ala Gly Cys Thr Gly Cys		
530	535	540
Thr Cys Thr Thr Cys Cys Thr Gly Ala Gly Cys Cys Gly Gly Ala Ala		
545	550	555
560		
Cys Cys Ala Cys Cys Thr Gly Ala Gly Cys Ala Gly Cys Ala Thr Cys		
565	570	575
Cys Cys Cys Thr Cys Gly Gly Gly Cys Thr Gly Cys Cys Gly Cys		
580	585	590
Ala Cys Ala Cys Gly Cys Thr Gly Gly Ala Gly Gly Ala Cys Thr		
595	600	605
Gly Cys Gly Gly Cys Thr Gly Gly Ala Thr Gly Ala Cys Ala Ala Cys		
610	615	620
Cys Gly Cys Ala Thr Cys Thr Cys Cys Ala Cys Cys Ala Thr Cys Cys		
625	630	635
640		
Cys Gly Cys Thr Gly Cys Ala Thr Gly Cys Cys Thr Thr Cys Ala Ala		
645	650	655
Gly Gly Gly Cys Cys Thr Cys Ala Ala Cys Ala Gly Cys Cys Thr Gly		
660	665	670
Cys Gly Gly Cys Cys Cys Thr Gly Gly Thr Gly Cys Thr Gly Gly		
675	680	685
Ala Cys Gly Gly Thr Ala Ala Cys Cys Thr Gly Cys Thr Gly Gly Cys		
690	695	700
Cys Ala Ala Cys Cys Ala Gly Cys Gly Cys Ala Thr Cys Gly Cys Cys		
705	710	715
720		
Gly Ala Cys Gly Ala Cys Ala Cys Cys Thr Thr Cys Ala Gly Cys Cys		
725	730	735
Gly Cys Cys Thr Ala Cys Ala Gly Ala Ala Cys Cys Thr Cys Ala Cys		
740	745	750
Ala Gly Ala Gly Cys Thr Cys Thr Cys Gly Cys Thr Gly Gly Thr Gly		

755	760	765
Cys Gly Cys Ala Ala Thr Thr Cys Gly Cys Thr Gly Gly Cys Cys Gly		
770	775	780
Cys Gly Cys Cys Ala Cys Cys Cys Cys Thr Cys Ala Ala Cys Cys Thr		
785	790	795
Gly Cys Cys Cys Ala Gly Cys Gly Cys Cys Ala Cys Cys Thr Gly		
805	810	815
Cys Ala Gly Ala Ala Ala Cys Thr Cys Thr Ala Cys Cys Thr Gly Cys		
820	825	830
Ala Gly Gly Ala Cys Ala Ala Thr Gly Cys Cys Ala Thr Cys Ala Gly		
835	840	845
Cys Cys Ala Cys Ala Thr Cys Cys Cys Cys Thr Ala Cys Ala Ala Cys		
850	855	860
Ala Cys Gly Cys Thr Gly Gly Cys Cys Ala Ala Gly Ala Thr Gly Cys		
865	870	880
Gly Thr Gly Ala Gly Cys Thr Gly Gly Ala Gly Cys Gly Gly Cys Thr		
885	890	895
Gly Gly Ala Cys Cys Thr Gly Thr Cys Cys Ala Ala Cys Ala Ala Cys		
900	905	910
Ala Ala Cys Cys Thr Gly Ala Cys Cys Ala Cys Gly Cys Thr Gly Cys		
915	920	925
Cys Cys Cys Gly Cys Gly Cys Cys Thr Gly Thr Thr Cys Gly Ala		
930	935	940
Cys Gly Ala Cys Cys		
945		
<210> 75		
<211> 674		
<212> PRT		
<213> Homo sapiens		
<400> 75		
Met Val Val Ala His Pro Thr Ala Thr Ala Thr Thr Pro Thr Ala		
1	5	10
15		
Thr Val Thr Ala Thr Val Val Met Thr Thr Ala Thr Met Asp Leu Arg		
20	25	30
Asp Trp Leu Phe Leu Cys Tyr Gly Leu Ile Ala Phe Leu Thr Glu Val		
35	40	45
Ile Asp Ser Thr Thr Cys Pro Ser Val Cys Arg Cys Asp Asn Gly Phe		
50	55	60

Ile	Tyr	Cys	Asn	Asp	Arg	Gly	Leu	Thr	Ser	Ile	Pro	Ala	Asp	Ile	Pro
65							70			75					80
Asp	Asp	Ala	Thr	Thr	Leu	Tyr	Leu	Gln	Asn	Asn	Gln	Ile	Asn	Asn	Ala
					85				90						95
Gly	Ile	Pro	Gln	Asp	Leu	Lys	Thr	Lys	Val	Asn	Val	Gln	Val	Ile	Tyr
					100			105							110
Leu	Tyr	Glu	Asn	Asp	Leu	Asp	Glu	Phe	Pro	Ile	Asn	Leu	Pro	Arg	Ser
					115			120							125
Leu	Arg	Glu	Leu	His	Leu	Gln	Asp	Asn	Asn	Val	Arg	Thr	Ile	Ala	Arg
					130			135			140				
Asp	Ser	Leu	Ala	Arg	Ile	Pro	Leu	Leu	Glu	Lys	Leu	His	Leu	Asp	Asp
					145			150			155				160
Asn	Ser	Val	Ser	Thr	Val	Ser	Ile	Glu	Glu	Asp	Ala	Phe	Ala	Asp	Ser
					165			170			175				
Lys	Gln	Leu	Lys	Leu	Leu	Phe	Leu	Ser	Arg	Asn	His	Leu	Ser	Ser	Ile
					180			185			190				
Pro	Ser	Gly	Leu	Pro	His	Thr	Leu	Glu	Glu	Leu	Arg	Leu	Asp	Asp	Asn
					195			200			205				
Arg	Ile	Ser	Thr	Ile	Pro	Leu	His	Ala	Phe	Lys	Gly	Leu	Asn	Ser	Leu
					210			215			220				
Arg	Arg	Leu	Val	Leu	Asp	Gly	Asn	Leu	Leu	Ala	Asn	Gln	Arg	Ile	Ala
					225			230			235				240
Asp	Asp	Thr	Phe	Ser	Arg	Leu	Gln	Asn	Leu	Thr	Glu	Leu	Ser	Leu	Val
					245			250			255				
Arg	Asn	Ser	Leu	Ala	Ala	Pro	Pro	Leu	Asn	Leu	Pro	Ser	Ala	His	Leu
					260			265			270				
Gln	Lys	Leu	Tyr	Leu	Gln	Asp	Asn	Ala	Ile	Ser	His	Ile	Pro	Tyr	Asn
					275			280			285				
Thr	Leu	Ala	Lys	Met	Arg	Glu	Leu	Glu	Arg	Leu	Asp	Leu	Ser	Asn	Asn
					290			295			300				
Asn	Leu	Thr	Thr	Leu	Pro	Arg	Gly	Leu	Phe	Asp	Asp	Leu	Gly	Asn	Leu
					305			310			315				320
Ala	Gln	Leu	Leu	Leu	Arg	Asn	Asn	Pro	Trp	Phe	Cys	Gly	Cys	Asn	Leu
					325			330			335				
Met	Trp	Leu	Arg	Asp	Trp	Val	Lys	Ala	Arg	Ala	Ala	Val	Val	Asn	Val
					340			345			350				
Arg	Gly	Leu	Met	Cys	Gln	Gly	Pro	Glu	Lys	Val	Arg	Gly	Met	Ala	Ile
					355			360			365				

Lys Asp Ile Thr Ser Glu Met Asp Glu Cys Phe Glu Thr Gly Pro Gln
370 375 380

Gly Gly Val Ala Asn Ala Ala Lys Thr Thr Ala Ser Asn His Ala
385 390 395 400

Ser Ala Thr Thr Pro Gln Gly Ser Leu Phe Thr Leu Lys Ala Lys Arg
405 410 415

Pro Gly Leu Arg Leu Pro Asp Ser Asn Ile Asp Tyr Pro Met Ala Thr
420 425 430

Gly Asp Gly Ala Lys Thr Leu Ala Ile His Val Lys Ala Leu Thr Ala
435 440 445

Asp Ser Ile Arg Ile Thr Trp Lys Ala Thr Leu Pro Ala Ser Ser Phe
450 455 460

Arg Leu Ser Trp Leu Arg Leu Gly His Ser Pro Ala Val Gly Ser Ile
465 470 475 480

Thr Glu Thr Leu Val Gln Gly Asp Lys Thr Glu Tyr Leu Leu Thr Ala
485 490 495

Leu Glu Pro Lys Ser Thr Tyr Ile Ile Cys Met Val Thr Met Glu Thr
500 505 510

Ser Asn Ala Tyr Val Ala Asp Glu Thr Pro Val Cys Ala Lys Ala Glu
515 520 525

Thr Ala Asp Ser Tyr Gly Pro Thr Thr Thr Leu Asn Gln Glu Gln Asn
530 535 540

Ala Gly Pro Met Ala Ser Leu Pro Leu Ala Gly Ile Ile Gly Gly Ala
545 550 555 560

Val Ala Leu Val Phe Leu Phe Leu Val Leu Gly Ala Ile Cys Trp Tyr
565 570 575

Val His Gln Ala Gly Glu Leu Leu Thr Arg Glu Arg Ala Tyr Asn Arg
580 585 590

Gly Ser Arg Glu Lys Asp Asp Tyr Met Glu Ser Gly Thr Lys Lys Asp
595 600 605

Asn Ser Ile Leu Glu Ile Arg Gly Pro Gly Leu Gln Met Leu Pro Ile
610 615 620

Asn Pro Tyr Arg Ala Lys Glu Glu Tyr Val Val His Thr Ile Phe Pro
625 630 635 640

Ser Asn Gly Ser Ser Leu Cys Lys Ala Thr His Thr Ile Gly Tyr Gly
645 650 655

Thr Thr Arg Gly Tyr Arg Asp Gly Gly Ile Pro Asp Ile Asp Tyr Ser
660 665 670

Tyr Thr

<210> 76
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:consensus sequence

<400> 76
Ala Cys Pro Arg Glu Cys Thr Cys Ser Pro Phe Gly Leu Val Val Asp
1 5 10 15

Cys Ser Gly Arg Gly Leu Thr Leu Glu Val Pro Arg Asp Leu Pro
20 25 30

<210> 77
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:consensus sequence

<400> 77
Asn Leu Glu Glu Leu Asp Leu Ser Asn Asn Leu Thr Ser Leu Pro Pro
1 5 10 15

Gly Leu Phe Ser Asn Leu Pro
20

<210> 78
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:consensus sequence

<400> 78
Asn Leu Glu Glu Leu Asp Leu Ser Asn Asn Leu Thr Ser Leu Pro Pro
1 5 10 15

Gly Leu Phe Ser Asn Leu Pro
20

<210> 79
<211> 23

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:consensus sequence

<400> 79
Asn Leu Glu Glu Leu Asp Leu Ser Asn Asn Leu Thr Ser Leu Pro Pro
1 5 10 15

Gly Leu Phe Ser Asn Leu Pro
20

<210> 80
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:consensus sequence

<400> 80
Asn Leu Glu Glu Leu Asp Leu Ser Asn Asn Leu Thr Ser Leu Pro Pro
1 5 10 15

Gly Leu Phe Ser Asn Leu Pro
20

<210> 81
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:consensus sequence

<400> 81
Asn Leu Glu Glu Leu Asp Leu Ser Asn Asn Leu Thr Ser Leu Pro Pro
1 5 10 15

Gly Leu Phe Ser Asn Leu Pro
20

<210> 82
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:consensus sequence

<400> 82
Asn Leu Glu Glu Leu Asp Leu Ser Asn Asn Leu Thr Ser Leu Pro Pro
1 5 10 15

Gly Leu Phe Ser Asn Leu Pro
20

<210> 83
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:consensus
sequence

<400> 83
Asn Leu Glu Glu Leu Asp Leu Ser Asn Asn Leu Thr Ser Leu Pro Pro
1 5 10 15

Gly Leu Phe Ser Asn Leu Pro
20

<210> 84
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:consensus
sequence

<400> 84
Asn Leu Glu Glu Leu Asp Leu Ser Asn Asn Leu Thr Ser Leu Pro Pro
1 5 10 15

Gly Leu Phe Ser Asn Leu Pro
20